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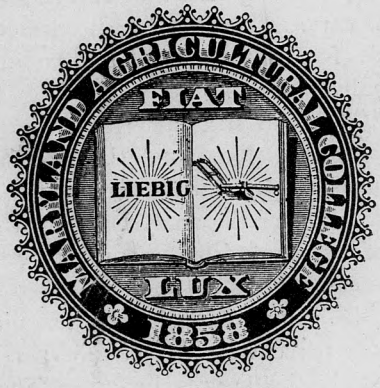

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ADDRESS

Chemical Department, Maryland Agricultural College,

COLLEGE PARK, MD.

ANALYSIS OF

Commercial Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

THE MARYLAND AGRICULTURAL COLLEGE.

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from *March to June, 1905,* inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, at stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this Department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the figures by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing up of the numbers.

*Resigned July 1 to accept position with the Va. Dept. of Agriculture.
**Resigned May 1 to accept position at the R. I. Exp. Station.
†After May 1.
††Resigned, to take effect Sept. 1, to accept position at Del. College.

To get "Total" phosphoric acid add the "Insoluble" and the "Available" phosphoric acid.

The "Comparative Value Found" and the "Comparative Value Guaranteed" are calculated, the former from the analysis found, the latter from the analysis guaranteed on the bags, using the following schedule:

In Mixed Fertilizer:

For Nitrogen, calculated as Ammonia	17 1-2 cts. per pound
For Potash (K_2O), in forms free from muriate	6 cts. per pound.
For Potash (K_2O), as muriate, or Kainit	5 cts. per pound.
For Available Phosphoric Acid	5 cts. per pound.
For Insoluble Phosphoric Acid	2 cts. per pound.
For Insoluble Phosphoric Acid when from S. C. Rock	1 cts. per pound.

In Dissolved S. C. Rock:

Available Phosphoric Acid	4 cts. per pound.

In Ground Bone:

For Nitrogen, calculated as Ammonia, in "Fine" Bone	16 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Fine Medium" Bone	14 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Medium" Bone	12 cts. per pound.
For Nitrogen, calculated as Ammonia, in "Coarse" Bone	10 cts. per pound.
For Phosphoric Acid in "Fine" Bone	5 cts. per pound.
For Phosphoric Acid in "Fine Medium" Bone	4 cts. per pound.
For Phosphoric Acid in "Medium" Bone	3 cts. per pound.
For Phosphoric Acid in "Coarse" Bone	2 cts. per pound.

In Tankage and Ground Fish:

For Nitrogen, calculated as Ammonia	15 cts. per pound.
For Phosphoric Acid	3 cts. per pound.

In using the above schedule *all fertilizers containing less than one per cent. of ammonia will be given the rock valuation of four cents per pound on the available phosphoric acid.*

The "comparative values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use; this varies considerably, depending on the market prices of the ingredients, freight, commissions, size of order, cash or credit, etc.

Sliding-scale guarantees (the use of a maximum as well as a minimum guarantee), as "ammonia 1 to 3 per cent." is unlawful. The penalty for the first offense is $100 fine.

It is unlawful to sell any brand of commercial fertilizer before the license for the same has been obtained from the Comptroller. When the license is paid by the manufacturer it is not necessary for his agents to obtain another license for the same brands. If, however, the manufacturer resides out of the State, and does not pay the license, each agent selling the goods, or offering the same for sale, is held responsible for the license.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14217	The American Agr'l Chemical Co., New York, N.Y.	Acme Fish Mixture	Baltimore
14218	" " "	Alkaline Bone Phosphate.	Baltimore
14074	" " "	Big Crop Phosphate	Baltimore
14075	" " "	Buyers' Choice, 14% Acid Phosphate.	Baltimore
14219	" " "	Dissolved Animal Bone	Baltimore
14198	" " "	Dissolved Bone	Bel Air
14163	" " "	Fine Ground Bone	Ridgely
14076	" " "	Gem Alkaline Phosphate.	Baltimore
14136	" " "	Ideal Corn Grower	Taneytown
14220	" " "	Pure Ground Bone	Baltimore
14109	" " "	Special Potash Mixture	Baltimore
14290	" " "	Special Tomato Fertilizer	Millington
14110	" " "	Young's Melon Fertilizer.	Baltimore
14000	A. A. C. Co. (Canton), Baltimore, Md.	Baker's Diss. S. C. Bone.	Baltimore
14001	" " "	Baker's Fish Guano	Baltimore
14221	" " "	Baker's Standard H. G. Guano.	Baltimore
14111	" " "	Baker's Special Wheat, Corn and Grass Mixture.	Chase
14115	" " "	C.C.C. Special Compound.	Baltimore
14077	" " "	Eagle Phosphate	Baltimore
14222	" " "	Harrow Brand Crop Grower.	Baltimore
14112	" " "	Patrons' Bone Mixture	Baltimore
14113	" " "	Potato Manure	Chase
14114	" " "	Soluble Bone and Potash.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14217	1.31	1.00	3.44	3.00	1.05	.....	7.05	6.00	$15.50	$12.50
14218	.....	.....	2.51	2.00	0.53	1.00	10.33	10.00	10.88	10.20
14074	.....	.....	5.06	5.00	0.60	.....	8.55	8.00	12.02	11.40
14075	.....	.....	.....	.....	1.15	1.00	14.93	14.00	11.94	11.20
14219	2.51	2 50	.....	.....	2.28	.....	12.11	12.00	21.81	20.75
14198	2.30	2.00	.....	.....	2.30	1.00	9.80	10.00	18.77	17.40
14163	3.02	3 00	.....	.....	23.92*	22.80*	.....	.....	30.23	.....
14076	.....	.....	3.35	3.00	0.53	.....	7.39	6.00	9.37	7.80
14136	1.30	1.00	4.58	4.00	1.34	.....	8.01	8.00	17.68	15.50
14220	4.62	4.00	.....	.....	20.05*	45.00†	.....	.....	30.32	.....
14109	1.31	1.00	7.28	7.00	1.15	.....	10.09	9.00	22.42	19.50
14290	a1.31	1.00	4.63	4.00	1.03	.....	8.12	8.00	17.75	15.50
14110	2.95	3.00	10.37	10.00	0.50	.....	10.66	10.00	31.56	30.50
14000	.....	.....	.....	.....	0.58	.....	14.69	14.00	11.75	11.20
14001	2.12	2.00	2.30	2.00	1.50	.....	8.39	8.00	18.71	17.00
14221	2.58	2.50	3.42	3.00	2.30	.....	8.06	8.00	21.43	19.75
14111	1.23	1.00	2.42	2.00	1.38	1.00	8.81	9.00	16.09	14.90
14115	2.08	2.50	4.72	6.00	1.28	.....	8.13	8.00	20.64	22.75
14077	1.42	1.00	1.53	1.00	1.93	.....	7.04	7.00	14.31	11.50
14222	1.31	1.00	1.50	1.00	1.48	.....	8.26	8.00	14.94	12.50
14112	2.93	2.00	2.85	2.50	3.58	.....	8.38	5.00	22.92	14.50
14113	1.60	1.50	5.46	5.00	1.28	1.00	6.87	6.00	18.44	16.65
14114	.....	.....	2.25	2.00	0.90	.....	10.35	10.00	10.71	10.00

* Total Phosphoric Acid.
†Total Bone Phosphate.
a Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14068	A. A. C. Co., (Canton).... Baltimore Md.	Truckers' Delight.....	Snow Hill.....
14224	A. A. C. Co., (Detrick)... Baltimore Md.	Ammoniated Bone Phos.	Baltimore.....
14108	" " "	Bone and Potash 16x4 Mixture.	Baltimore.....
14002	" " "	Corn and Oats Fertilizer.	Baltimore.....
14116	" " "	Dissolved S. C. Bone.....	Baltimore.....
14003	" " "	Gold Basis.....	Baltimore.....
14004	" " "	Gold Eagle.....	Baltimore.....
9628	" " "	Imperial Compound.....	Baltimore.....
14069	" " "	K. K. K. Kangaro Komplete Kompound.	Snow Hill.....
14225	" " "	Paragon Ammo. Bone Phosphate and Potash.	Baltimore.....
14005	" " "	Quickstep Bone Phos.....	Baltimore.....
14299	" " "	Royal Crop Grower	Baltimore.....
14199	" " "	Soluble Bone Phosphate and Potash.	Cumberland.....
14078	" " "	Special Mixture...	Baltimore.....
14200	" " "	Vegetator Ammo. Super Phosphate.	Frostburg.....
14201	A. A. C. Co., (Lazaretto), Baltimore, Md.	Ammoniated Bone Phosphate.	Bel Air.....
14164	" " "	Bone Compound.....	Hillsboro.....
14079	" " "	Crop Grower.....	Baltimore.....
14183	" " "	Dissolved Bone and Potash.	Providence.....
14104	" " "	Dissolved Bone Phosphate	College Park .....
14006	" " "	Early Trucker.....	Baltimore.....
14173	" " "	Excelsior A. A. A.....	Baltimore.....
14117	" " "	H. G. Dissolved Bone and Potash.	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14068	5.02	5.00	5.50	5.00	1.20	.....	7.46	7.00	$31.01	$29.50
14224	1.71	1.50	2.34	2 00	1.60	.....	8.87	9.00	17.84	16.25
14108	.....	.....	2.05	2.00	1.33	.....	11.88	11.00	11.82	10 80
14002	1.25	1.00	3.32	3.00	1.65	.....	8.74	9.00	17.10	15.50
14116	.....	.....	.....	.....	0.88	.....	15.17	14.00	12.14	11.20
14003	a7.01	7.00	5.61	5.00	1.48	.....	6.29	6.00	37.02	35.50
14004	3.14	3.00	6.40	6.00	2.55	.....	5.58	6.00	23.99	22.50
9628	1.14	1.00	2.19	2.00	1.60	.....	8.09	8.00	14.91	13.50
14069	2.37	2.00	3.36	3.00	1.63	.....	8.01	8.00	20.32	18.00
14225	1.27	1.00	1.51	1.00	0.75	.....	7.75	7.00	14.01	11.50
14005	3.17	3.00	4.46	4.00	1.78	.....	8.07	8.00	24.34	22 50
14299	2.10	2.00	2.47	2.00	1.65	.....	8.69	8.00	19.17	17.00
14199	.....	.....	2.29	2.00	0.75	.....	10.47	10.00	10.82	10.00
14078	1.37	1.00	1.47	1.00	1.48	.....	8.16	8.00	15.02	12 50
14200	2.44	2.00	3.66	3.00	1.90	.....	8.20	8.00	21.16	18.00
14201	1.25	1.00	2.40	2.00	1.15	.....	7.82	8.00	15.06	13.50
14164	1.42	1.25	3.52	3.00	1.28	.....	9.23	9.00	18.23	16.38
14079	2.15	2.00	2.40	2.00	1.48	.....	8.53	8.00	19.05	17.00
14183	.....	.....	2.24	2.00	0.48	.....	11.33	11.00	11.40	10.80
14104	.....	.....	.....	.....	0.75	.....	15.01	14.00	12.01	11.20
14006	a5.01	5.00	5.47	5.00	1.33	.....	7.33	7.00	30.87	29.50
14173	a1.40	1.00	1.55	1.00	1.13	.....	7.17	7.00	14.07	11.50
14117	.....	.....	3.34	3.00	0.75	.....	12.04	12.00	13.12	12.60

a. Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14202	A. A. C. Co., (Lazaretto).	Animal Bone Fertilizer.	Rocks
14080	" " "	Retriever Animal Bone Fertilizer.	Baltimore
14137	" " "	Special Potato and Tobacco Fertilizer.	Taneytown
14165	" " "	Tomato Compound	Hillsboro
14150	A. A. C. Co., (Maryland), Baltimore, Md.	Alkaline Bone	Smithsburg
14151	" " "	Bone Super Phosphate	Smithsburg
14152	" " "	Dissolved S. C. Bone	Smithsburg
14153	" " "	Sangston Cereal and Plant Food.	Smithsburg
14118	" " "	Special Compound for Potatoes and Tobacco.	Baltimore
14226	" " "	Tornado Fertilizer	Baltimore
14212	A. A. C. Co., (Nickerson), Easton, Md.	Acid Phosphate	Mataponi
14154	" " "	Advance Guano	Smithsburg
14081	" " "	Dissolved Bone and Potash.	Baltimore
14082	" " "	Early Queen.	Baltimore
14166	" " "	Eastern Shore Domestic Guano.	Easton
14293	" " "	English Mixture	Baltimore
14291	" " "	Tornado Fertilizer	Goldsboro
14174	" " "	Truck Guano	Baltimore
14138	A. A. C. Co., (Packers' Union), Rutland, Vt.	Banner Wheat Grower	Melrose
14139	" " "	Packers' Union Fertilizer.	Melrose
14167	" " "	Universal Fertilizer	Ridgely
14083	A. A. C. Co., Reese), Baltimore, Md.	Special Potash Mixture	Baltimore
14227	A. A. C. Co., (Slingluff), Baltimore, Md	Southern Bright Tobacco Grower.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14202	2.53	2.25	4.50	4.00	3.28	4.50	11.29	9.00	$25.96	$22.68
14080	2.64	2.25	4.41	4.00	3.00	4.50	10.80	9.00	25.65	22.68
14137	1.31	1.00	4.52	4.00	1.44	.....	8.02	8.00	17.71	15.50
14165	1.76	1.50	5.50	5.00	1.18	.....	6.47	6.00	18.60	15.38
14150	.....	.....	3.26	3.00	0.63	.....	12.21	12.00	13.16	12.60
14151	.....	.....	2.71	2.00	0.70	.....	10.54	10.00	11.28	10.00
14152	.....	.....	.....	.....	0.83	.....	14.11	14.00	11.29	11.20
14153	1.74	1.50	2.30	2.00	1.53	.....	8.85	9.00	17.85	16.25
14118	1.93	2.00	10.67	10.00	1.30	.....	8.73	8.00	26.68	25.00
14226	.....	.....	5.54	5.00	0.93	.....	12.04	12.00	15.36	14.60
14212	.....	.....	.....	.....	0.78	.....	14.52	14.00	11.62	11.20
14154	1.37	1.00	1.50	1.00	1.23	.....	7.80	7.00	14.59	11.50
14081	.....	.....	5.15	5.00	0.43	.....	12.34	12.00	15.11	14.60
14082	4.78	5.00	5.67	5.00	1.00	.....	7.10	7.00	29.90	29.50
14166	2.27	2.00	3.36	3.00	2.23	.....	8.02	8.00	20.22	18.00
14293	1.08	1.00	2.03	2.00	1.35	.....	8.09	8.00	14.44	13 50
14291	1.16	1.00	4.35	4.00	1.05	.....	8.29	8.00	17.99	16.30
14174	2.32	2.00	2.38	2.00	1.53	.....	8.17	8.00	19.28	17.00
14138	.....	.....	2.27	3.00	0.60	.....	10.55	10.00	10.83	11.00
14139	.....	.....	.....	.....	0.98	.....	14.18	14.00	11.34	11.20
14167	1.21	1.00	4.43	4.00	1.30	.....	7.94	8.00	17.13	15.50
14083	.....	.....	5.20	5.00	0.38	.....	12.48	12.00	15.26	14.60
14227	4.10	4.00	5.48	5.00	1.10	.....	8.70	8.00	28.97	27.00

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14007	A. A. C. Co., (Slingluff), Baltimore, Md.	Tobacco Plant Bed Fertilizer.	Baltimore.....
14008	" " "	Top Dresser.....	Baltimore.....
14119	A. A. C. Co., (Susquehanna), Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore.....
9629	" " "	H. G. Bone and Potash..	Baltimore.....
9630	" " "	Superior Rock Phosphate.	Baltimore.....
14009	A. A. C. Co., (Tygert-Allen), Phila. Pa.	Allen's 7 % Guano.....	Baltimore.....
14276	" " "	Gold Edge Potato Grower.	Baltimore.....
14228	" " "	Standard Bone Phosphate.	Baltimore.....
14155	" " "	Star Diss. S. C. Rock....	Chewsville.....
14229	" " "	Star Soluble Bone and Potash.	Baltimore.....
14070	A. A. C. Co., (Wheeler), Rutland, Vt.	Bone and Potash.	Snow Hill.....
14230	" " "	Corn Fertilizer.	Baltimore.....
14231	" " "	Electric Dissolved Bone.	Baltimore.....
14084	" " "	H. G. Tomato Fertilizer.	Baltimore.....
14071	" " "	Potato Manure.....	Snow Hill.....
14182	" " "	Potato Manure.....	Ridgely.....
14085	" " "	Royal Wheat Grower	Baltimore.....
14072	" " "	Superior Truck Phosphate.	Snow Hill.....
14232	" " "	Wheat and Clover Fertilizer.	Baltimore.....
14233	A. A. C. Co., (Zell), Baltimore, Md.	Ammoniated Bone Super Phosphate.	Catonsville.....
14203	" " "	Dissolved Bone Phosphate.	Cumberland.....
14140	" " "	Economizer Phosphate...	Taneytown.....
14234	" " "	Electric Phosphate.	Baltimore.....

No.	NITROGEN, Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14007	a9.90	10.00	4.70	2.50	1.70	.....	6.03	4.00	$46.06	$41.50
14008	a5.20	5.00	3.40	2.50	0.53	.....	5.88	5.00	27.69	25.00
14119	2.17	2.00	2.23	2.00	1.20	.....	8.65	8.00	18.96	17.00
9629	.....	.....	5.47	5.00	0.53	.....	12.24	12.00	15.37	14.60
9630	.....	.....	.....	.....	0.63	.....	14.40	14.00	11.52	11.20
14009	a7.01	7.00	5.07	5.00	1.28	.....	6.53	6.00	36.65	35.50
14276	2.54	2.50	6.85	6.00	1.05	.....	7.94	8.00	24.10	22.75
14228	2.17	2.00	2.41	2.00	1.58	.....	8.10	8.00	18.74	17.00
14155	.....	.....	.....	.....	0.40	.....	14.92	14.00	11.93	11.20
14229	.....	.....	2.21	2.00	0.83	.....	10.39	10.00	10.69	10.00
14070	.....	.....	3.30	3.00	0.53	.....	12.30	12.00	13.25	12.60
14230	2.10	2.00	2.50	2.00	1.90	.....	8.22	8.00	18.83	17.00
14231	.....	.....	.....	.....	1.06	.....	14.02	14.00	11.22	11.20
14084	1.37	1.00	1.34	1.00	1.33	.....	7.64	7.00	14.31	11.50
14071	2.64	2.50	3.40	3.00	2.30	.....	8.02	8.00	21.58	19.75
14182	2.56	2.50	3.29	3.00	2.45	.....	8.20	8.00	21.43	19.75
14085	1.26	1.00	2.32	2.00	1.48	.....	7.86	8.00	15.18	13.50
14072	4.33	4.00	7.37	7.00	1.05	.....	8.06	8.00	31.01	29.00
14232	.....	.....	2.38	2.00	0.80	.....	10.31	10.00	10.79	10.00
14233	2.02	2.00	2.24	2.00	1.18	.....	8.70	8.00	18.48	17.00
14203	.....	.....	.....	.....	0.88	.....	15.53	14.00	12.42	11.20
14140	1.19	1.00	2.29	2.00	1.35	.....	7.80	8.00	14.80	13.50
14234	.....	.....	2.89	2.00	0.75	.....	10.20	10.00	11.20	10.00

a. Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14141	A. A. C. Co. (Zell), Baltimore, Md.	Little Giant	Union Mills
14204	" " "	Special Compound for Potatoes and Vegetables	Cumberland
14175	Armour Fertilizer Works, Baltimore, Md.	All Soluble	Baltimore
14168	" " "	Ammoniated Bone with Potash.	Greensboro
14010	" " "	Bone, Blood and Potash	Baltimore
14267	" " "	Bone Meal	Greensboro
9631	" " "	Bone Meal	(F. P. Roe & Bro.) Baltimore
14011	" " "	Cereal Phosphate	Baltimore
14012	" " "	Fruit and Root Crop Special.	Baltimore
14013	" " "	Grain Grower	Baltimore
14014	" " "	H. G. Potato Fertilizer	Baltimore
14086	" " "	Manure Substitute	Baltimore
14176	" " "	Phosphoric Acid and Potash.	Baltimore
14015	" " "	Phosphate and Potash No. 1.	Baltimore
14016	" " "	Phosphate and Potash No. 2.	Baltimore
14213	" " "	Raw Bone Meal	Mataponi
14017	" " "	Royal Ammo. Bone	Baltimore
14260	" " "	Royal Ammo. Bone	Preston
14120	" " "	Special Mixture	(J. S. Willis.) Baltimore
9649	" " "	Star Phosphate	Walnut Valley
14266	" " "	Tankage	Greensboro
14177	" " "	Tobacco Special	(John Eveland) Baltimore
14170	" " "	Tomato Grower	Greensboro

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14141	1.37	1.00	1.48	1.00	1.78	1.00	6.96	7.00	$14.25	$12.10
14204	3.19	3.00	4.43	4.00	2.25	.....	8.37	8.00	24.87	22.50
14175	3.16	3.50	4.37	4.00	2.33	.....	8.67	8.00	25.90	25.05
14168	3.09	3.00	2.38	2.00	2.05	.....	6.88	6.00	20.90	18.50
14010	a4.11	5.00	6.56	7.00	1.00	.....	8.61	8.00	29.96	32.50
14267	2.10	2.50	.....	.....	31.35*	30.00*	.....	.....	34.52	.....
9631	2.85	3.00	.....	.....	21.97*	24.00*	.....	.....	28.88	.....
14011	.....	.....	.....	.....	1.88	.....	11.02	10.00	8.82	8.00
14012	a2.29	2.00	4.44	5.00	1.73	.....	9.51	8.00	22.66	20.00
14013	2.08	2.00	2.40	2.00	1.45	.....	8.51	8.00	18.77	17.00
14014	2.15	2.00	10.67	10.00	1.78	.....	8.68	8.00	27.77	25.00
14086	3.87	4.00	4.11	4.00	1.08	.....	6.68	6.00	24.77	24.00
14176	.....	.....	4.52	5.00	0.68	.....	10.35	10.00	12.94	13.00
14015	.....	.....	2.53	2.00	0.73	.....	10.35	10.00	10.96	10.00
14016	.....	.....	5.20	5.00	0.25	.....	8.20	8.00	11.81	11.40
14213	4.52	4.50	.....	.....	23.85*	22.00*	.....	.....	36.35	.....
14017	1.45	1.00	4.60	4.00	1.88	.....	9.17	8.00	19.60	15.50
14260	1.20	1.00	4.40	4.00	2.28	.....	8.81	8.00	18.32	15.50
14120	0.75	0.50	1.19	1.00	1.00	.....	9.30	8.00	11.46	9.15
9649	.....	.....	.....	.....	0.18	.....	14.16	14.00	11.33	11.20
14266	8.35	10.00	.....	.....	8.00*	.....	.....	.....	29.85	30.00
14177	3.01	3.00	3.41	3.00	2.13	.....	8.88	8.00	23.68	21.50
14170	2.01	2.00	2.45	2.00	2.33	.....	8.46	8.00	18.88	17.00

a. Contains Nitrate of Soda.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14277	Armour Fertilizer Works, Baltimore, Md.	Valley Brand Tobacco....	Baltimore.....
14235	" " "	Wheat, Corn and Oat Special.	Baltimore.....
14236	" " "	Wheat Special.....	Baltimore.....
14018	Baltimore Fertilizer Co., Baltimore, Md.	Homestead, for General Use.	Baltimore.....
14019	" " "	Honest Acid Phosphate ..	Baltimore.....
14020	" " "	Honest Bone and Potash.	Baltimore.....
14184	" " "	Honest Crop Grower.....	Elkton .....
14123	" " "	Honest Harvest.....	Baltimore .....
14026	" " "	Honest Revenue.....	Baltimore. .....
14023	" " "	Honest Success	Baltimore. .....
14024	" " "	Honest Trucker.....	Baltimore. .....
14178	" " "	Old Honesty Bone Phosphate.	Baltimore. .....
14025	" " "	Old Honesty, Your Money's Worth.	Baltimore. .....
14121	Baltimore Pulverizing Co., Baltimore, Md.	Concentrated Cereal Plant Food.	Baltimore. .....
14027	" " "	Eastern Shore Corn Grower.	Baltimore. .....
14028	" " "	H. G. Potato Guano.....	Baltimore. .....
14029	" " "	Penniman's Excelsior Fertilizer.	Baltimore. .....
14237	" " "	Penniman's Special Guano, No. 1.	Baltimore. .....
14030	" " "	Pure Dissolved Animal Bone.	Baltimore. .....
14031	" " "	Royal Tomato Compound.	Baltimore. .....
14032	" " "	S. C. Bone Phosphate....	Baltimore. .....
14122	" " "	6 % Potato Guano.....	Baltimore. .....
14033	" " "	Special Strawberry Compound.	Baltimore. .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14277	1.76	.....	5.80	.....	1.50	.....	8.59	.....	$21.15	.....
14235	1.04	1.00	1.27	1.00	1.60	.....	7.29	7.00	12.84	$11.50
14236	1.06	1.00	2.81	2.00	1.93	.....	8.77	8.00	16.62	13.96
14018	1.16	1.50	2.76	2.00	1.30	.....	9.22	8.00	16.56	15.25
14019	.....	.....	.....	.....	0.63	.....	14.03	14.00	11.22	11.20
14020	.....	.....	2.11	2.00	1.35	.....	10.95	10.00	11.14	10.00
14184	0.94	1.00	2.83	1.00	1.10	.....	9.50	8.00	16.06	12.50
14123	1.47	1.00	2.84	2 50	1.48	.....	9.02	9.00	17.60	15.00
14026	3.19	3.00	6.71	6.00	1.28	.....	9.58	7.00	27.97	23.50
14023	1.54	1.00	4.03	4.00	1.50	.....	8.46	7.00	18.48	14.50
14024	3.58	5.00	7.75	5.00	0.95	.....	6.41	6.00	27.07	28.50
14178	0.63	.25	1.34	1.00	1.03	.....	7.10	7.00	9.44	7.48
14025	0.77	.50	2.42	2.00	1.98	.....	8.58	8.00	12.38	10.15
14121	a6.54	8.00	4.17	4.00	.....	.....	.....	.....	27.06	32.00
14027	.....	.....	2.58	2.00	1.23	.....	9.35	10.00	10.31	10.00
14028	a2.34	2.00	5.90	10.00	1.70	.....	8.33	8.00	23.10	25.00
14029	.....	.....	3.38	5.00	0.98	.....	9.81	10.00	11.43	13.00
14237	1.11	1.00	1.46	1.00	1.58	.....	8.73	8.00	14.71	12.50
14030	2.18	2.00	.....	.....	3.24	.....	10.96	14.00	19.89	21.00
14031	a2.06	2.00	3.37	2.00	1.05	.....	7.46	8.00	18.46	17.00
14032	.....	.....	.....	.....	1.03	2.00	13.94	14.00	11.15	11.20
14122	a6.45	6.00	b4.64	b4.00	1.86	.....	5.02	5.00	33.91	30.80
14033	a2.51	4.00	2.81	3.00	0.65	.....	5.15	5.00	17.01	22.00

a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
9650	Baltimore Pulverizing Co., Baltimore, Md.	Special Strawberry Compound.	Baltimore
14034	" " "	Truckers' Choice	Baltimore
14105	Baugh & Sons Co., Baltimore, Md.	Ammoniated Soluble Alkaline.	Church Hill
14035	" " "	Animal Bone and Potash Compound.	Baltimore
14036	" " "	Complete Animal Bone Fertilizer.	Baltimore
14171	" " "	Complete Animal Bone Fertilizer.	Secretary
14037	" " "	Corn Fertilizer	Baltimore
14124	" " "	Covey's Standard Bone Phosphate.	Baltimore
14125	" " "	Double Eagle $25.00 Phosphate.	Chase
14185	" " "	Export Bone with Potash.	Rising Sun
14272	" " "	Fine Ground Animal Bone.	Marydel (W. M. Slay).
14238	" " "	Fine Ground Bone	White Marsh
14039	" " "	Fine Ground Fish	Baltimore
14040	" " "	Fish Mixture	Baltimore
14038	" " "	General Crop Grower	Baltimore
14239	" " "	Genuine Lobos Peruvian Guano.	White Marsh
14041	" " "	H. G. Acid Phosphate	Baltimore
14257	" " "	H. G. Acid Phosphate	Deer Park (W. H. Chadderton).
14252	" " "	H. G. Acid Phosphate	Oak Grove (J. N. Wright).
14214	" " "	H. G. Potato Guano	Mataponi
14179	" " "	H. G. Tobacco Guano	Baltimore
14042	" " "	H. G. Truck Fertilizer	Baltimore
14126	" " "	H. G. Vegetable Compound.	Chase

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9650	3.00a	4.00	3.02	3.00	1.48	.....	5.39	5.00	$19.50	$22.00
14034	2.01a	3.00	1.95	3.00	1.43	.....	10.03	8.00	19.59	21.50
14105	1.02	.50	2.51	2.00	1.80	2.50	8.75	8.00	15.55	10.65
14035	2.42	2.00	2.31	2.00	1.70	.....	8.98	8.00	20.44	17.00
14036	2.22	2.00	5.04	5.00	.55	2.00	8.37	8.00	21.40	20.80
14171	1.89	2.00	5.15	5.00	2.05	.....	9.07	8.00	21.66	20.00
14037	1.42	1.00	4.41	4.00	1.95	.....	8.03	8.00	18.19	15.50
14124	1.31	1.00	3.97	3.50	1.90	2.00	11.49	12.00	20.81	19.80
14125	2.70	2.00	2.63	1.00	1.35	2.00	8.05	8.00	20.67	16.80
14185	2.59	2.00	2.34	2.00	6.70	.....	8.11	23.00	22.20	32.00
14272	2.52	3.00	.....	.....	27.17*	22.00*	.....	.....	31.43	.....
14238	3.55	3.00	.....	.....	20.12*	16.00*	.....	.....	28.27	.....
14039	9.80	10.00	.....	.....	5.61*	7.00*	.....	.....	32.77	34.20
14040	2.44	2.00	2.60	2.00	1.10	.....	7.83	8.00	19.41	17.00
14038	1.40	1.00	1.73	1.00	2.05	.....	8.02	8.00	15.47	12.50
14239	3.52	3 50	4.14	3.50	9.42	14.00	14.07	10.00	35.03	32.05
14041	.....	.....	.....	.....	.55	.....	14.03	14.00	11.22	11.20
14257	.....	.....	.....	.....	1.22	.....	16.02	14.00	12.82	11.20
14252	.....	.....	.....	.....	1.18	.....	14.34	14.00	11.47	11.20
14214	5.02	5.00	7.57	7.00	.38	.....	5.76	6.00	31.05	30.50
14179	2.93	3.00	3.70	3.00	1.90	.....	8.03	8.00	22.75	21.50
14042	3.28	3.00	3.50	3.00	1.65	.....	8.50	8.00	24.14	21.50
14126	5.07	5.00	7.26	7.00	.50	.....	6.35	6.00	31.56	30.50

a Contains Nitrate of Soda.
Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14250	Baugh & Sons Co., Baltimore, Md.	New Process 10% Guano.	Hollywood (J. E. Evans).
14258	" " "	Nitrate of Soda.....	Deer Park (W. H. Chadderton).
14240	" " "	Peninsula Grain Grower..	Baltimore.....
14241	" " "	Potato and Truck Special.	Baltimore.....
14043	" " "	Potato Fertilizer.....	Baltimore.....
14044	" " "	Pure Dissolved Animal Bone.	Baltimore.....
14159	" " "	Raw Bone Meal.....	Rockville.....
14242	" " "	Raw Bone Meal.....	White Marsh.....
14268	" " "	Raw Bone Meal.....	Wheel (H. J. Hollingsworth).
14259	" " "	Raw Bone Meal.....	Deer Park (W. H. Chadderton).
14243	" " "	Raw Bone Super Phos. The Old Stand-by.	White Marsh.....
14073	" " "	7% Potato Manure.....	Snow Hill.....
14128	" " "	Soluble Alkaline Super Phosphate.	Baltimore.....
9632	" " "	Special Manure for Melons.	Baltimore.....
14045	" " "	Special Potato Manure...	Baltimore.....
14215	" " "	Sweet Potato Guano.....	Mataponi.....
14046	" " "	10% Peruvian Guano.....	Baltimore.....
14047	" " "	Tomato Compound.	Baltimore.....
14292	" " "	Vegetable Compound.....	Monrovia.....
14244	" " "	Wheat Fertilizer for Wheat and Grass.	Baltimore.....
14099	Beck-Walker Co., Chestertown, Md.	Corn Super Phosphate..	Chestertown.....
14100	" " "	Propagator Super Phosphate.	Chestertown.....
14101	" " "	Special Bone Mixture....	Chestertown.....

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14250	8.66a	10.00	2.88	2.50	0.65	.....	7.37	5.00	$40.82	$42.50
14258	19.52a	.....	.....	.....	.....	.....	.....	.....	.....	.....
14240	1.18a	1.00	2.53	2.00	1.08	3.00	8.34	8.00	15.43	14.70
14241	3.52	3.00	8.39	7.00	0.65	.....	6.30	7.00	27.27	24.50
14043	2.64	2.00	2.73	2.00	0.98	.....	7.76	8.00	20.12	17.00
14044	2.87	2.50	.....	.....	1.75	.....	14.72	13.00	25.47	21.75
14159	4.56	4.50	.....	.....	21.44*	21.50*	.....	.....	31.94	.....
14242	4.35	4.25	.....	.....	21.04*	21.50*	.....	.....	31.05	.....
14268	4.00	4.25	.....	.....	20.20*	21.50*	.....	.....	29.90	.....
14259	4.50	.....	.....	.....	22.60*	.....	.....	.....	32.26	.....
14243	2.39a	2.00	2.27	1.00	3.70	.....	8.12	8.00	20.24	16.00
14073	7.25	7.00	5.41	5.00	0.65	.....	6.46	8.00	37.51	37.50
14128	.....	.....	2.61	2.00	1.73	.....	10.30	10.00	11.20	10.00
9632	4.40	4.00	5.86	4.00	0.73	.....	7.29	8.00	28.84	26.00
14045	2.51	2.00	10.48b	10.00b	0.98	.....	6.59	5.00	27.30	23.00
14215	3.09a	3.00	3.36	3.00	2.58	.....	9.07	8.00	24.28	21.50
14046	10.04	10.00	.....	.....	4.43	.....	9.05	.....	45.96	35.00
14047	2.25	2.00	2.99	2.00	1.90	.....	7.89	8.00	19.52	17.00
14292	1.31	1.00	2.52	2.00	2.13	.....	8.42	8.00	16.38	13.50
14244	2.05	2.00	3.06b	2.00b	1.05	.....	9.31	8.00	20.58	17.40
14099	0.92a	1.00	4.99	4.00	1.53	.....	9.26	8.00	18.08	15.50
14100	1.81a	2.00	2.71	2.50	2.10	.....	8.88	8.00	18.77	17.50
14101	0.94a	1.00	2.09	2.00	2.08	.....	9.23	8.00	15.44	13.50

a. Contains Nitrate of Soda.
* Total Phosphoric Acid.
b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler when not the College.)
14102	Beck-Walker Co., Chestertown, Md.	Tomato Super-Phosphate.	Chestertown
14103	" " "	Try Me Super-Phosphate.	Chestertown
4205	The Berg Company, Philadelphia, Pa.	Fine Raw Bone	Fallston
4186	" " "	Pure Dissolved Bone and Potash.	Rising Sun
4180	" " "	S. M. B. Standard Bone Manure.	Baltimore
4187	" " "	Vigor Volo Bone and Potash.	Rising Sun
4142	J. H. Blocher, Alesia, Md.	Royal Bone and Potash	Alesia
4160	C. E. Bond, Spencerville, Md.	Acid Phosphate	Spencerville
14161	" " "	Ground Bone	Spencerville
14181	Jas. Bonday, Jr., & Co., Baltimore, Md.	Old Reliable Brand German Kainit.	Baltimore
14278	Jas. Brian, Middle River, Md.	Atlas Fertilizer	Middle River
14279	H. T. Brown, Liberty Grove, Md.	Climax Phosphate	Liberty Grove
14280	Brumfield & Foster, Colora, Md.	Acid Phosphate and Potash.	Colora
14281	" " "	Ammoniated Bone Phosphate.	Colora
14282	" " "	Hard Times Ammoniated Phosphate.	Colora
14283	" " "	H. G. Acid Phosphate	Colora
14162	Bryant Fertilizer Co., Alexandria, Va.	Fine Ground Raw Bone	Silver Springs
14245	John L. Clark, Ellicott City, Md.	Special Mixture	Ellicott City
14246	" " "	Standard Bone	Ellicott City
14188	Henry Cope & Co., Lincoln University, Pa.	Ammoniated Bone Phosphate.	Rising Sun
14284	" " "	Potato and Corn Phosphate.	Colora
14189	" " "	Pure Bone Phosphate	Rising Sun
14190	" " "	Queen Elk Valley Phosphate.	Rising Sun

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14102	2.20a	2.50	3.45	3.00	1.80	.....	8.56	8.00	$20.43	$19.75
14103	0.72	0.50	4.19	3.00	1.20	.....	10.10	9.00	15.03	11.95
14205	4.06	4.00	.....	.....	20.95*	20.00*	.....	.....	27.80	.....
14186	1.91	3.00	3.56	5.00	3.28	.....	8.23	8.00	19.79	23.50
14180	2.12a	3.00	6.16	6.00	2.73	.....	8.16	8.00	22.83	24.50
14187	2.44	4.00	6.95	5.00	4.98	18.00*	7.58	.....	25.06	26.20
14142	.....	.....	2.00	1.00	0.48	1.00	10.49	7.00	10.49	8.40
14160	.....	.....	.....	.....	3.00	.....	14.74	14.00	11.79	11.20
14161	4.33	4.50	.....	.....	21.50*	20.00*	.....	.....	29.40	.....
14181	.....	.....	12.14	12.00	.....	.....	.....	.....	.....	.....
14278	1.25	1.50	2.59	2.00	0.38	.....	9.16	9.00	16.28	16.25
14279	1.79a	2.00	2.51	2.00	1.75	.....	9.55	9.00	19.03	18.00
14280	.....	.....	3.11	2.00	0.65	.....	10.36	10.00	11.53	10.00
14281	2.27	2.00	2.82	2.00	1.53	1.00	8.81	8.00	20.19	17.40
14282	1.30	1.00	1.30	1.00	1.38	1.00	8.45	8.00	14.85	12.90
14283	.....	.....	.....	.....	0.60	.....	15.69	14.00	12.55	11.20
14162	4.95	4.50	.....	.....	23.50*	21.50*	.....	.....	30.86	.....
14245	1.02a	0.50	2.80	3.00	1.45	1.00	9.36	8.00	16.31	11.35
14246	2.18	2.00	4.40	3.00	1.63	1.00	10.61	9.00	23.29	19.40
14188	1.40	1.00	2.40	2.00	2.30	.....	7.18	8.00	15.40	13.50
14284	1.26a	1.50	4.11b	4.00	1.70b	.....	7.50	7.00	17.52	17.05
14189	2.03a	2.00	2.59	2.00	2.35	.....	10.35	8.00	20.99	17.00
14190	1.91a	2.00	8.06	8.00	0.88	.....	6.72	7.00	21.82	22.00

a Contains Nitrate of Soda.
* Total Phosphoric Acid.
b Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
14191	Josiah Cope & Co., Lincoln University, Pa.	Acidulated Phosphate	Colora.....
14192	" " "	Ammoniated Bone Phosphate.	Colora.....
14193	" " "	Soluble Bone and Potash.	Colora.....
14064	L. E. P. Dennis & Son, Crisfield, Md.	Fish and Potash Mixture, No. 1.	Crisfield.....
14065	" " "	Fish and Potash Mixture, No. 2.	Crisfield.....
14066	" " "	Special Round Potato Mixture.	Crisfield.....
14067	" " "	Special Truck and Tomato.	Snow Hill.....
14247	Joshua W. Dorsey, Ellicott City, Md.	Mixture D.....	Ellicott City.....
14088	Dudley & Carpenter, Baltimore, Md.	Dissolved S. C. Rock.....	Baltimore.....
14129	" " "	California Tobacco Compound.	Baltimore.....
14130	" " "	Special Tobacco Plant Bed Guano.	Baltimore.....
14248	" " "	Special Wheat Mixture ..	Baltimore.....
14285	Edelen Bros., Baltimore, Md.	H. G. Tobacco Fertilizer.	Baltimore.....
14286	" " "	Special Tobacco Guano...	Baltimore.....
14249	" " "	Special Wheat and Grass Mixture.	Baltimore.....
14106	T. W. Eliason, Chestertown, Md.	No. 1 Ammo. Super Phos. of Lime and Potash.	Chestertown.....
14107	" " "	Our Spec'l Alkaline Phosphate and Potash.	Chestertown.....
14143	Englar Bros. & Co., Linwood, Md.	No. 1 Ammoniated Bone Phosphate.	Linwood.....
14144	" " "	No. 2 Ammoniated Bone Phosphate.	Linwood.....
14206	The Eureka Fertilizing Co., Perryville, Md.	Corn and Potato Special..	Perryman.....
14207	" " "	Ground Bone.....	Perryman.....
14208	" " "	Imperial Bone Phosphate.	Perryman.....
14209	" " "	Potato and Vegetable....	Perryville.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14191	.....	.....	.....	.....	0.60	.....	14.58	14.00	$11.66	$11.20
14192	1.14	1.00	3.06	3.00	1.31	2.00	10.22	10.00	17.79	17.30
14193	.....	.....	2.10	2.00	1.00	.....	10.15	10.00	10.42	10.00
14064	3.24	3.50	6.24	4.00	1.53	.....	7.51	7.00	25.70	23.25
14065	2.30	2.00	3.37	3.00	1.23	.....	5.64	7.00	17.55	17.00
14066	5.01	5.00	5.57	5.00	1.30	.....	7.73	7.00	31.36	29.50
14067	3.02	3.00	3.40	3.00	2.60	.....	7.52	7.00	22.53	20.50
14247	2.35	2.25	5.06	4.00	2.40	1.50	11.01	9.00	25.26	21.48
14088	.....	.....	.....	.....	1.03	.....	14.39	14.00	11.51	11.20
14129	4.01	4.00	3.03	2.00	2.70	1.00	8.78	8.00	26.93	24.40
14130	9.82	10.00	3.94	3.00	1.20	.....	6.58	5.00	45.37	43.00
14248	.....	.....	3.03	3.00	0.68	.....	12.03	12.00	12.79	12.60
14285	3.09	3.00	3.21	3.00	2.10	.....	9.98	8.00	24.85	21.50
14286	4.04a	4.00	3.64b	4.00b	1.40	.....	7.10	6.00	26.17	24.80
14249	1.21a	1.00	2.13	2.00	1.28	.....	9.84	9.00	16.72	14.50
14106	1.57	1.50	1.78	1.00	1.33	2.50	11.18	9.00	18.99	16.25
14107	.....	.....	1.80	1.50	1.30	2.00	13.09	11.00	12.53	10.70
14143	1.88	2.00	1.67	1.50	1.06	.....	9.51	9.50	18.18	18.00
14144	1.21	1.00	3.06	2.40	0.40	.....	9.29	9.80	16.75	15.70
14206	1.04	1.00	3.93	3.00	1.93	.....	8.54	9.00	16.88	15.50
14207	2.70	3.00	.....	.....	23.95*	50.00†	.....	.....	30.30	.....
14208	1.09	1.00	3.68	1.00	1.93	.....	9.23	8.00	17.49	12.50
14209	1.64	2.00	6.30	4.00	2.13	.....	7.75	8.00	20.64	19.00

a. Contains Nitrate of Soda. b. Contains Sulfate of Potash.
* Total Phosphoric Acid. † Total "Bone Phosphate" equal to 23 % Phos. Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
14048	Willard P. Evans, Pocomoke City, Md.	Special Irish Potato Mixture.	Baltimore.....
14049	W. S. Farmer & Co., Baltimore, Md.	Anne Arundel Trucker...	Baltimore.....
14050	" " "	B. & P. Phosphate.....	Baltimore.....
14287	" " "	Clyde Brand.....	Baltimore.....
14089	" " "	Dissolved S. C. Rock.....	Baltimore.....
14294	" " "	Fish Mixture.....	Baltimore.....
9633	" " "	Harvest Queen.....	Baltimore.....
9634	" " "	7 % Potato Guano.....	Baltimore.....
14090	" " "	Standard Phosphate.....	Baltimore.....
14216	" " "	Three Fives' Top Dressing.	Baltimore.....
14091	" " "	Truckers' Compound.....	Baltimore.....
14156	Farmers & Planters' Co., Salisbury, Md.	Fish Mixture.....	Salisbury.....
14157	" " "	General Crop Grower....	Snow Hill.....
14158	" " "	Special Fish Mixture.....	Snow Hill.....
14146	The F'm'rs' Fert. Co. of Carroll Co., Westminster, Md.	Carroll Bone Phosphate..	Westminster.....
14147	" " "	P. A. & P. Phosphate....	Westminster.....
14148	" " "	X. X. Bone Phosphate...	Westminster.....
14145	Farmers' Fer. Co. of Union Bridge, Union Bridge, Md.	Union Bridge Favorite...	Union Bridge.....
14210	Frederick Co. Farmers' Exchange, Frederick, Md.	H. G. Spring Fertilizer...	Frederick.....
14295	J. W. Freeman, Great Mills, Md.	Crop Grower.....	Baltimore.....
14288	" " "	No. 1 Tobacco Grower ...	Baltimore.....
14092	T. H. Gill, Avalon, Va.....	Try Me Fertilizer.....	Baltimore.....
14051	Griffith & Boyd, Baltimore, Md.	Accomac Trucker.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14048	4.79a	5.00	7.92	7.50	1.85	.....	8.26	7.00	$ 33.69	$32.00
14049	4.17a	4.50	7.18	7.00	.85	.....	8.79	8.00	30.91	30.75
14050	.....	.....	2.66	2.00	.70	.....	10.43	10.00	11.14	10.00
14287	1.19	1.00	2.47	2.00	1.38	.....	9.54	8.00	16.73	13.50
14089	.....	.....	.....	.....	1.33	.....	14.58	14.00	11.66	11.20
14294	2.03	2.00	2.38	2.00	1.70	.....	8.44	8.00	18.61	17.00
9633	1.42	1.25	3.10	3.00	1.43	.....	9.15	9.00	17.79	16.38
9634	7.10a	7.00	5.77	5.00	1.03	.....	6.49	6.00	37.52	35.50
14090	2.68	2.62½	2.97	2.50	1.48	.....	10.38	10.00	23.32	21.69
14216	4.47a	5.00	5.39	5.00	1.63	.....	7.03	5.00	28.72	27.50
14091	3.02	3.00	4.67	4.00	2.15	.....	7.43	8.00	23.53	22.50
14156	1.55	3.00	2.70	2.00	1.10	.....	9.53	7.00	18.10	19.50
14157	.72	1.00	2.01	2.00	1.10	.....	11.11	10.00	13.64	15.50
14158	1.60a	2.50	5.26	5.00	1.10	.....	8.83	8.00	20.13	21.75
14146	.80	5o	3.24	2.00	.63	1.00	7.47	7.00	12.15	9.55
14147	.....	.....	3.49	3.00	.90	.....	9.96	11.00	11.64	11.80
14148	1.16	1.00	3.60	3.00	1.20	1.00	8.60	9.00	16.74	15.90
14145	1.31	1.50	2.86	2.25	.98	.....	9.65	8.00	17.49	15.50
14210	1.42	1.00	3.08	4.00	3.98	.....	8.03	8.00	17.67	15.50
14295	1.30	1.00	1.24	1.00	.73	1.50	8.99	8.00	15.07	13.10
14288	3.14a	3.00	4.45	3.00	1.31	1.50	8.01	8.00	23.97	22.10
14092	2.20a	2.00	2.36	2.00	1.33	.....	10.02	9.00	20.61	18.00
14051	3.49	5.00	6.25	7.00	1.03	.....	8.29	6.00	27.17	30.50

a. Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
14194	Griffith & Boyd, Baltimore, Md.	Ammoniated Bone Phosphate.	Elkton.....
14052	" " "	Ammoniated Soluble Bone	Baltimore.....
14195	" " "	Cereal Bone Plant Food..	Rising Sun.....
14289	" " "	Double Strength Tobacco Grower.	Baltimore.....
14149	" " "	Farmers' Improved Phosphate.	Union Mills.....
14053	" " "	Farmers' Potato Manure.	Baltimore.....
14054	" " "	Fish, Bone and Potash...	Baltimore.....
14055	" " "	Harvest Queen Potash...	Baltimore.....
14211	" " "	H. G. Acid Phosphate....	Cumberland.....
14056	" " "	Nitro Crop Feeder.....	Baltimore.....
14132	" " "	Original Super Phosphate	Baltimore.....
14057	" " "	Peerless Fertilizer.....	Baltimore.....
14196	" " "	Potato Manure.....	Elkton .....
14131	" " "	Pure Dissolved Animal Bone.	Baltimore.....
14197	" " "	Pure Fine Ground Bone Meal.	Colora.....
9648	" " "	Royal Potash Guano.....	Baltimore.....
9635	" " "	7% Guano.....	Baltimore.....
14133	" " "	Soft Ground Bone Meal..	Baltimore.....
14296	" " "	Special Grain Grower....	Ellicott City.....
14297	" " "	Special Guano.....	Baltimore.....
14059	" " "	Spring Crop Grower.....	Baltimore.....
14060	" " "	Stable Manure Substitute	Baltimore.....
14061	" " "	Valley Fertilizer.....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14194	1.95	2.00	2.15	2.00	1.38	.....	10.00	8.00	$19.53	$17.00
14052	1.31	1.00	2.63	2.00	1.88	.....	9.12	7.00	17.09	12.50
14195	1.08	1.00	2.73	2.00	1.85	2.00	8.27	8.00	15.52	14.30
14289	2.56	3.00	1.27b	3.00b	1.78	.....	11.18	8.00	22.37	22.10
14149	1.30	1.00	2.11	1.50	1.58	.....	8.45	7.00	15.74	12.00
14053	1.25	1.00	8.29	9.00	1.35	.....	8.82	8.00	22.03	20.50
14054	1.77	1.75	3.66	3.00	1.63	.....	7.42	7.00	17.93	16.13
14055	2.25	1.25	4.42	3.00	0.78	.....	8.79	9.00	21.40	16.38
14211	.....	.....	.....	.....	0.83	.....	15.78	14.00	12.62	11.20
14056	10.20a	9.00	5.45	2.50	.....	.....	.....	.....	41.15	34.00
14132	.....	.....	.....	.....	0.85	.....	14.79	12.00	11.83	9.60
14057	0.75	0.35	2.05	2.00	2.45	1.00	8.90	8.00	12.29	9.83
14196	.....	.....	5.17	5.00	0.58	.....	10.70	10.00	13.85	13.00
14131	2.68a	2.50	.....	.....	2.30	.....	10.55	10.00	20.85	18.75
14197	4.40	4.00	.....	.....	19.67*	21.50*	.....	.....	29.37	.....
9648	1.16	1.00	4.25b	4.00b	1.45	.....	8.42	8.00	18.06	16.30
9635	5.56a	7.00	5.05	5.00	1.60	.....	6.48	5.00	31.63	34.50
14133	3.19	3.00	.....	.....	8.10	.....	5.93	11.00	20.34	21.50
14296	.....	.....	2.03	2.00	1.18	.....	11.91	10.00	11.80	10.00
14297	2.01	2.25	4.86	5.00	0.90	.....	9.48	9.00	21.74	21.88
14059	2.05	2.00	5.04	4.50	1.78	.....	7.07	6.50	20.00	18.00
14060	3.00	3.50	4.86	4.00	0.70	.....	7.00	5.00	22.64	21.25
14061	1.08	0.50	3.09	3.00	1.63	.....	8.56	8.00	16.08	11.15

b. Contains Sulfate of Potash.
a. Contains Nitrate of Soda.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
14062	Griffith & Boyd, Baltimore, Md.	X X Potash Manure	Baltimore
14063	" " "	Vegetable Bone	Baltimore
14134	Griffith & Turner Co., Baltimore, Md.	Ammoniated Alkaline Plant Food.	Baltimore
14093	" " "	Ammoniated Butchers' Bone.	Baltimore
14094	" " "	Animal Bone Phosphate	Baltimore
14095	" " "	Dissolved Bone	Baltimore
14096	" " "	H. G. Acid Phosphate	Baltimore
14097	" " "	Pure Fine Bone Meal	Baltimore
14135	" " "	Soft Ground Bone	Baltimore
14098	" " "	Special Mixture	Baltimore
14298	" " "	Special Potato Mixture	Reisterstown
14509	Hanway, Barnes & McComas, Bel Air, Md.	Ground Bone	Bel Air
14510	" " "	H. & K. Dissolved Bone	Bel Air
14511	" " "	H. & K. High Grade	Bel Air
14512	" " "	H. & K. Special Mixture	Bel Air
14474	W. R. Hearn & Son, Cambridge, Md.	Farmers' Favorite (Plow Brand) Fertilizer.	Cambridge
14543	S. M. Hess & Bro., Philadelphia, Pa.	Alkaline Bone Phosphate	Baltimore
14544	" " "	Farmers' Cereal King	Baltimore
14545	" " "	Keystone Bone Phosphate	Baltimore
14546	" " "	Peerless Phosphate	Baltimore
9636	" " "	Potato and Truck Manure	Baltimore
14434	" " "	Soluble Bone and Potash	Union Mills
14435	" " "	Soluble Bone and Phosphate.	Union Mills

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14062	.....	.....	5.21	5.00	0.65	.....	10.02	10.00	$13.36	$13.00
14063	2.13	3.00	5.02	7.00	4.58	.....	9.77	8.00	24.08	25.50
14134	1.55	1.00	1.43	1.50	3.25	1.00	8.51	6.50	16.67	11.90
14093	1.83	1.25	1.91	1.50	2.38	1.00	7.32	9.00	16.59	15.28
14094	2.17	2.50	1.97	1.50	2.45	1.00	9.25	10.00	19.80	20.65
14095	2.53	2.00	.....	.....	2.43	1.00	10.99	9.00	20.82	16.40
14096	.....	.....	.....	.....	0.93	1.00	14.64	14.00	11.71	11.20
14097	4.30	4.00	.....	.....	17.61*	22.00*	.....	.....	25.34	.....
14135	3.04	3.00	.....	.....	7.46	.....	6.45	11.00	20.07	21.50
14098	0.58	0.50	2.01	2.00	3.23	1.00	7.58	8.00	10.75	10.35
14298	1.26	1.00	5.54	5.00	2.35	.....	9.05	8.00	19.94	16.50
14509	3.45	3.00	.....	.....	23.30*	22.00*	.....	.....	30.18	.....
14510	2.10	2.00	.....	.....	1.60	1.00	10.96	10.00	18.95	17.40
14511	2.06	2 00	3.24	3.00	2.00	1.00	8.66	8.00	19.91	18.40
14512	1.06	1 00	2.33b	2.00b	1.43	1.00	9.11	9.00	16.19	15.30
14474	2.08	2.00	5.42	5.00	0.43	.....	8.42	8.00	21.29	20.00
14543	.....	.....	5.24	5.00	0.45	1.00	12.17	12.00	15.07	14.80
14544	.....	.....	3.02	3.00	1.00	1.00	12.17	12.00	12.96	12.80
14545	1.25	1.00	1.52	1.00	1.60	2.00	8.19	8.00	14.73	13.30
14546	.....	.....	5.28	5.00	1.08	1.00	11.80	12.00	14.94	14.80
9636	3.05	3.00	5.95	6.00	1.53	.....	9.42	8.00	26.66	24.50
14434	.....	.....	2.23	2.00	0.68	2.00	10.32	8.00	10.63	8.80
14435	.....	.....	.....	.....	0.75	1.00	14.87	14.00	11.90	11.20

* Total Phosphoric Acid.
b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer	Place of Sampling (and Sampler when not the College.)
9652	S. M. Hess & Bro., Philadelphia, Pa.	Special Compound.....	Baltimore.....
14475	" " "	Special Corn Manure.....	Greensboro.....
14548	" " "	Special Potato Manure...	Baltimore.....
14399	The Hubbard Fertilizer Co., Baltimore, Md.	Climax Bone Super Phosphate.	Baltimore.....
14582	" " "	Columbia Gem Phosphate.	Rock Hall.....
14436	" " "	Crescent Soluble Crop Producer.	Lineboro.....
14300	" " "	Farmers' I. X. L. Super Phosphate.	Baltimore.....
14437	" " "	H. G. Soluble Tennessee Phosphate.	Lineboro.....
14588	" " "	Jersey Trucker.....	Baltimore.....
14513	" " "	Maryland Sun Guano.....	Woodsboro.....
14549	" " "	Oriental Phosphate for Wheat and Grass.	Baltimore.....
14498	" " "	Royal Ensign.....	Colora.....
14400	" " "	Soluble Bone and Potash.	Baltimore.....
14476	" " "	Special Mixture of Bone and Potash.	Vienna.....
14401	" " "	Standard Bone Super Phosphate.	Chase.....
14301	" " "	Truckers' 5% Royal Seal Compound.	Baltimore.....
14302	" " "	Truckers' 7 % Royal Seal Compound.	Baltimore.....
14551	" " "	Wheat Growers' Jewel...	Baltimore.....
14550	M. P. Hubbard & Co., Baltimore, Md.	Celebrated Dissolved Bone Phosphate.	Bradshaw.....
14477	" " "	Excelsior Bone Phosphate	Choptank.....
14478	" " "	Farmers' Acme Fertilizer.	Two Johns.....
14379	" " "	Farmers' Old Economy Phosphate.	Baltimore.....
14380	" " "	Fish Bone and Potash....	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9652	1.48	1.00	4.03	4.00	1.15	1.00	8.25	8.00	$17.92	$15.90
14475	1.21	1.00	2.30	2.00	1.53	.....	8.11	8.00	15.26	13.50
14548	1.31	1.00	7.41	7.00	0.68	.....	8.66	8.00	20.93	18.50
14399	1.21	1.00	4.13	4.00	1.50	.....	7.47	7.00	16.44	14.50
14582	1.33a	0.50	1.95	1.00	1.45	.....	8.08	8.00	15.57	9.15
14436	.....	.....	.....	.....	0.93	.....	13.70	10.00	10.96	8.00
14300	2.10a	2.00	2.71	2.00	1.60	.....	7.40	8.00	18.10	17.00
14437	.....	.....	.....	.....	0.90	.....	14.05	14.00	11.24	11.20
14588	2.39a	2.00	5.82	10.00	1.45	2.00	6.95	8.00	21.72	25.80
14513	0.72	0.50	1.64	1.00	1.30	1.00	8.25	8.00	11.02	9.35
14549	1.25	1.00	1.41	1.00	1.45	.....	8.05	8.00	14.42	12.50
14498	3.33a	3.00	4.38	4.00	1.13	.....	8.07	8.00	24.56	22.50
14400	.....	.....	2.45	2.00	1.63	.....	10.07	10.00	10.84	10.00
14476	.....	.....	4.13	4.00	0.40	.....	9.48	10.00	11.79	12.00
14401	1.86a	2.00	3.61	3.00	1.03	.....	8.39	8.00	18.92	18.00
14301	5.27a	5.00	5.36	5.00	0.80	.....	6.71	6.00	30.84	28.50
14302	6.66a	7.00	5.65	5.00	1.83	.....	6.09	6.00	35.78	35.50
14551	1.43	1.50	2.60	2.00	1.18	.....	8.30	9.00	16.38	16.25
14550	1.76	2.00	2.35	2.00	1.40	1.00	9.66	9.00	18.73	18.40
14477	1.02	1.00	2.60	2.00	0.70	.....	8.29	8.00	14.74	13.50
14478	1.81a	2.00	2.64	2.00	0.73	.....	8.40	7.00	17.67	16.00
14379	0.80a	0.50	2.45	2.00	1.58	1.00	9.40	8.00	13.09	10.35
14380	0.30	0.25	1.44	1.00	1.00	.....	7.61	6.00	8.78	6.68

a Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
14514	M. P. Hubbard & Co., Baltimore, Md.	Harvest King for Wheat and Corn.	Halfway
14381	" " "	Havana Special for Tobacco.	Baltimore
9637	" " "	Maryland Special Vegetable Grower.	Baltimore
14515	" " "	S. C. Bone Phosphate	Halfway
14303	" " "	7 % Bermuda Guano	Baltimore
14535	" " "	Soluble Bone and Potash.	Berlin
14382	" " "	Special Potato and Tomato Fertilizer.	Baltimore
14304	Wilber W. Hubbard, Chestertown, Md.	Our Peerless Fertilizer	Baltimore
9638	" " "	Our Special Potato Fertilizer.	Baltimore
14491	" " "	Special Mixture	Baltimore
14383	S. L. Lamberd Co., Baltimore, Md.	Boss Fertilizer	Baltimore
14384	" " "	Favorite Fertilizer	Baltimore
14385	" " "	Potato Manure	Baltimore.
14386	" " "	Pure Fine Ground Bone Meal.	Baltimore
9639	" " "	Special Anne Arundel Mixture.	Baltimore.
9640	Joshua Linthicum, Annapolis, Md.	Special Fish Bone and Potash.	Baltimore.
14552	Lister's Agricultural Chemical Works, Newark, N.J.	Alkaline Bone	Baltimore
14553	" " "	Alkaline Bone, No. 1	Baltimore.
14554	" " "	Celebrated Ground Bone, Acidulated.	White Marsh
14358	" " "	"G" Brand	Stockton
14479	" " "	Harvest Queen Phosphate.	Ridgely
14480	" " "	Potato Manure	Ridgely
14402	" " "	Special Corn and Potato Fertilizer.	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14514	1.28	1.00	2.21	3.00	2.08	1.00	10.27	10.00	$17.79	$ 16.90
14381	1.57	2.50	1.80	2.50	1.23	1 00	11.15	9.00	18.94	20.65
9637	5.12a	5.00	4.46b	5.00b	1.10	.....	7.67	7.00	31.38	30.50
14515	.....	.....	.....	.....	0.75	.....	14.92	14.00	11.94	11.20
14303	5.98a	7.00	4.01	4.00	1.80	.....	9.15	7.00	34.81	35.50
14535	.....	.....	2.30	2.00	0.58	2.00	11.01	10.00	11.23	10.40
14382	1.49a	2.00	5.70	5.00	1.85	.....	8.08	7.00	19.76	19.00
14304	2.20a	2.00	5.07	4.00	1.15	.....	8.03	8.00	21.26	19.00
9638	2.95a	3.00	6.64	5.00	0.63	.....	9.06	7.00	26.28	22.50
14491	0.70	.....	1.75	.....	0.98	.....	10.01	.....	12.41	.....
14383	1.66	2.00	5.13	4.50	1.38	1.00	7.05	7.00	18.54	18.90
14384	1.11	1.00	2.40	2.00	1.38	1 00	8.69	8.00	15.53	13.90
14385	1.48	2.00	5.89	10.00	2.30	1.00	5.86	5.00	17.85	22.40
14386	4.21	4.00	.....	.....	21.06*	22 00*	.....	.....	29.17	.....
9639	2.30	3.00	3.89	3.00	2.18	1.00	8.48	8.00	21.29	21.90
9640	2.01	2.00	3.90	3.00	2.33	1.00	6.17	6.00	18.04	16.40
14552	.....	.....	2.37	2.00	0.63	.....	10.30	10.00	10.74	10.00
14553	.....	.....	4.77b	5.00b	0.43	.....	12.66	12.00	15.94	15.60
14554	3.41	3.25	.....	.....	5.10	12 00*	6.14	.....	20.12	16.18
14358	1.31	1.00	4.66	4.00	1.28	.....	8.19	8.00	17.95	15.50
14479	1.86	1.50	2.25	2.00	2.75	.....	9.67	9.00	19.53	16.25
14480	3.75a	4 00	7.30	7.00	0.75	.....	8.37	8.00	29.10	29.00
14402	2.30	2.00	3.32	3.00	2.00	.....	8.09	8.00	20.36	18.00

a. Contains Nitrate of Soda. b. Contains Sulfate of Potash.
* Phosphoric Acid.

No.	Name and address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
14403	Lister's Agricultural Chemical Wks, Newark, N. J.	Special Crop Producer. .	Baltimore. . . . .
14305	" " "	Special 10% Potato Fertilizer.	Baltimore. . . . .
14451	" " "	Standard Pure Bone Super Phosphate of Lime.	Chewsville . . . . .
14359	" " "	3x6x10 for Potatoes.	Stockton . . . . .
14450	Jos. Lister, Chicago, Ill. . .	Pure Bone Meal	Chewsville . . . . .
9644	The Mapes Form. & Pe'v'n Guano Co., N. York, N.Y.	Vegetable Manure.	Baltimore . . . . .
14555	D. B. Martin Co., Philadelphia, Pa	Acid Phosphate	Baltimore. . . . .
14306	" " "	Claremont Vegetable Compound.	Baltimore. . . . .
14461	" " "	Corn and Cereal Special. .	Silver Springs. . . . .
14481	" " "	Crop Producer.	Cordova . . . . .
14307	" " "	Dissolved Organic Compound.	Baltimore. . . . .
14308	" " "	Early Truck and Vegetable Grower.	Baltimore. . . . .
14482	" " "	Extra Animal Bone and Potash.	Easton. . . . .
14309	" " "	Gilt Edge Potato Manure.	Baltimore. . . . .
14310	" " "	One, Eight and Four.	Baltimore . . . . .
14462	" " "	Potash and Soluble Bone.	Silver Springs. . . . .
14311	" " "	Pure Animal Bone and Potash.	Baltimore. . . . .
14438	" " "	Pure Dissolved Animal Bone.	Taneytown. . . . .
14404	" " "	Pure Ground Bone.	Baltimore. . . . .
14516	" " "	Pure Raw Bone Meal. . . .	Aberdeen. . . . .
14589	" " "	7 % Guano.	Baltimore. . . . .
14590	" " "	Sure Grower.	Leslie. . . . .
14439	F. Mehring, Bruceville, Md.	Acid Phosphate.	Bruceville. . . . .

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14403	1.37	1.00	1.60	1.00	1.93	.....	7.11	7.00	$14.28	$11.50
14305	2.39	2.00	9.96	10.00	1.48	.....	8.10	8.00	27.02	25.00
14451	3.34	3.00	2.35	2.00	2.15	.....	10.36	9.00	25.26	21.50
14359	3.21a	3.00	10.40	10.00	0.80	.....	6.36	6.00	28.32	26.50
14450	2.92	2 80	.....	.....	26.70*	26.10*	.....	.....	30.97	.....
9644	6.23a	6.00	7.19b	6.00b	3.08	1.00	5.96	6.00	37.63	34.60
14555	.....	.....	.....	.....	1.50	.....	14.21	14.00	11.37	11.20
14306	3.38a	3.00	5.65	5.00	2.35	.....	8.09	7.00	26.51	22.50
14461	2.05a	2.00	3.04	2.00	1.80	.....	9.21	8.00	20.15	17.00
14481	1.54	1.25	.....	.....	2.18	.....	9.65	10.00	15.91	14.38
14307	1.52a	1.25	2.62	2.00	2.23	.....	9.96	9.00	18.79	15.38
14308	3.82a	4.00	8.07	8.00	2.10	.....	7.15	6.00	29.43	28.00
14482	2.44	2.00	1.58	2.50	8.00	.....	15.75	16.00	29.07	25.50
14309	3.70a	3.00	10.31	10.00	1.38	.....	7.66	7.00	31.47	27.50
14310	1.31	1.00	5.00	4.00	2.23	.....	9.39	8.00	19.87	15.50
14462	.....	.....	1.95	2.00	0.70	.....	11.88	10.00	11.59	10.00
14311	2.18	2 00	2.14	2.50	9.40	.....	9.60	16.00	23.13	25.50
14438	2.35	2.00	.....	.....	2.75	.....	11.71	12.00	21.04	19.00
14404	2.22	2.00	.....	.....	22.00*	50.00†	.....	.....	26.35	.....
14516	4.30	4.50	.....	.....	24.00*	21.00*	.....	.....	31.84	.....
14589	6.76a	7.00	6.06b	5.00b	1.33	.....	6.93	6.00	38.39	36.50
14590	1.25	1.00	1.42b	1.00b	2.68	.....	9.18	8.00	16.33	12.70
14439	....	.....	.....	.....	2.78	1.00	16.47	15.00	13.17	12.00

a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.

*Total Phosphoric Acid.
†Total "Bone Phosphate,"=23% Phos. Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14440	F. Mehring, Bruceville, Md.	General Crop Grower	Bruceville.....
9656	The Miller Fertilizer Co., Baltimore, Md.	Ammoniated Dis. Bone...	Watervale.....
14536	" " "	Buyer's Mixture.....	Baltimore.....
14556	" " "	Clinch Phosphate, Bone and Potash.	Ellicott City.....
14441	" " "	Club Brand.....	Lineboro.....
14397	" " "	Corn Fertilizer.....	Chestertown.....
14517	" " "	Dissolved Raw Bone.....	Forest Hill.....
14518	" " "	Ground Bone.....	Forest Hill.....
14537	" " "	Harvest Queen.....	Snow Hill.....
14442	" " "	Hustler Phosphate.....	Lineboro.....
14313	" " "	McAfee's 10 % Guano...	Baltimore.....
14557	" " "	McAfee's Top Dressing..	Baltimore.....
14538	" " "	McAfee's Truckers' Favorite.	Baltimore.....
14314	" " "	No. 1. Potato and Vegetable Grower.	Baltimore.....
14315	" " "	Potato and Vegetable Grower.	Baltimore.....
14558	" " "	Potato and Vegetable Grower.	Bradshaw.....
14591	" " "	Pure Raw Bone Meal	Bradshaw.....
14443	" " "	S. C. Rock.....	Lineboro.....
14539	" " "	Special Tobacco Grower .	Baltimore.....
14405	" " "	Special Tomato Grower..	Baltimore.....
14316	" " "	Standard Phosphate.....	Baltimore.....
14444	" " "	W. G. Phosphate.....	Lineboro.....
14317	J. B. Nichols & Son, Baltimore, Md.	Farmer's Friend Guano..	Baltimore.....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14440	1.18	1.00	1.41	1.25	4.00	1.00	11.48	11.00	$18.62	$16.15
9656	2.04a	2.00	2.90	2.00	1.70	1.50	7.48	8.00	18.20	17.60
14536	.....	.....	5.06	5.00	1.35	.....	11.77	12.00	14.75	14.60
14556	.....	.....	2.98	2.00	1.55	2.00	9.64	10.00	11.00	10.40
14441	0.70	0.50	2.34	2.00	1.00	1.50	8.40	8.00	11.71	10.45
14397	1.28	1.00	3.19	3.00	0.70	1.50	7.76	7.00	15.71	14.10
14517	2.68	2.50	.....	.....	1.75	2.00	12.69	11.00	23.47	20.55
14518	4.35	4.50	.....	.....	25.05*	20.00*	.....	.....	34.64	.....
14537	0.92a	1.25	2.87b	2.75b	0.88	1.50	10.34	9.00	17.35	17.28
14442	1.16	1.00	1.35	1.00	1.13	1.50	8.74	8.00	14.60	13.10
14313	9.96	10.00	2.83	2.50	0.75	.....	5.55	4.50	43.54	42.00
14557	6.14	5.00	2.96b	2.50b	0.70	.....	4.39	4.00	29.71	24.50
14538	3.96a	3.75	3.36	2.50	2.08	.....	9.59	9.00	27.64	24.63
14314	4.01a	4.50	7.36	7.00	0.95	1.50	8.29	8.00	30.07	31.35
14315	2.01a	2.00	4.66	4.00	1.40	1.50	8.47	8.00	20.73	19.60
14558	2.37	2.00	4.77	4.00	1.40	1.50	7.73	8.00	21.36	19.60
14591	4.64	4.50	.....	.....	20.15*	21.50*	.....	.....	31.70	.....
14443	.....	.....	.....	.....	1.70	.....	14.42	14.00	11.54	11.20
14539	2.05a	2.00	4.82	4.00	1.48	1.50	8.24	8.00	20.83	19.60
14405	1.69a	2.00	2.69	2.00	2.50	1.50	8.72	8.00	18.33	17.60
14316	3.28a	3.00	3.50	3.00	0.90	1.50	7.56	8.00	22.90	22.10
14444	0.75	0.50	1.61	1.00	0.85	1.50	7.20	7.00	10.17	8.65
14317	3.77a	4.00	4.19	4.00	1.43	.....	7.38	7.00	25.34	25.00

a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
14264	Norton Manufacturing Co., Washington, D. C.	Raw Bone	Beltsville (R. Magruder.)
14318	G. Ober & Sons Co., Baltimore, Md.	Avondale Ammo. Dissolved Bone.	Baltimore
14559	" " "	Dissolved Animal Bone	White Marsh
14319	" " "	Dissolved Bone Phosphate	Baltimore
14406	" " "	Dissolved Bone Phosphate and Potash.	Baltimore
14320	" " "	Farmers' Mixture	Baltimore
14271	" " "	Farmers' Mixture	American Corner (B. F. Edgell.)
14407	" " "	Farmers' Standard Ammoniated Phosphate.	Baltimore
14321	" " "	Fish, Bone and Potash	Baltimore
14322	" " "	Fish and Potash Fertilizer.	Baltimore
14408	" " "	Independent Ammoniated Super-Phosphate.	Baltimore
14560	" " "	Princeton Complete Compound.	Bradshaw
14561	" " "	Soluble Ammoniated Super Phosphate of Lime	Baltimore
14592	" " "	Special Compound for Tobacco.	Baltimore
14323	" " "	Special Plant Food	Baltimore
14324	" " "	Special Tobacco Bed Fertilizer.	Baltimore
14409	" " "	Standard Potash Compound.	Baltimore
14325	" " "	Standard Southern Vegetable Fertilizer.	Baltimore
14263	L. G. Orndorff, Washington, D. C.	S. C. Rock	Beltsville (R. Magruder.)
14410	" " "	Tobacco Bed Fertilizer	Baltimore
14483	Oxford Fertilizer Co., Oxford, Md.	Crab Guano	Choptank
14360	John L. Paradee & Co., Pocomoke City, Md.	Special Potato Guano	Pocomoke City
14484	Patapsco Guano Co., Baltimore, Md.	Coon Brand Guano	Downs

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14264	2.17	4.00	.....	.....	21.10*	47.00†	.....	.....	$25.16	.....
14318	2.41	2.25	2.40	1.50	1.58	2.75	9.35	5.75	20.82	$16 23
14559	4.18	3.00	.....	.....	1.18	.....	12.13	10.00	27.23	20 50
14319	.....	.....	.....	.....	1.18	.....	15.77	14.00	12.62	11 20
14406	.....	.....	2.41	2.00	1.33	.....	11.92	10.00	12.22	10.00
14320	1.28	1.00	2.76	2.00	1.35	.....	9.71	9.00	17.49	14.50
14271	1.57	1.00	2.10	2.00	2.18	.....	11.20	9.00	19.67	14.50
14407	1.96	2.00	2.03	2.00	1.33	.....	12.03	9.00	21.45	18.00
14321	3.28a	3.25	3.81	3.50	1.90	.....	9.67	8.00	25.72	22 88
14322	1.77a	2.00	1.94	2.00	1.48	.....	11.61	8.00	20.34	17.00
14408	1.18	1.00	2.14	1.00	1.48	.....	7.89	8.00	14.75	12.50
14560	2.39	2.00	4.01	4.00	1.43	2.00	9.27	8.00	22.22	19.80
14561	1.74a	2.00	2.37	2.00	1.25	.....	10.24	8.00	19.20	17.00
14592	2.93	3.00	3.18b	3.00b	1.60	.....	9.83	8.00	24.55	22.10
14323	2.90a	2.00	4.95b	5.00b	2.75	1.50	9.54	9.00	26.73	22.60
14324	9.76a	10.00	4.50b	3.00b	0.75	1.00	6.50	4 00	46.36	43.00
14409	.....	.....	5.40b	5.00b	1.48	.....	13.14	12.00	17.28	15.60
14325	6.72a	7.00	5.04	5.00	1.10	.....	7.38	6.00	36.38	35.50
14263	.....	.....	.....	.....	0.83	.....	14.82	14.00	11.86	11 20
14410	5.06a	5.00	5.42	5.00	1.13	.....	7.48	7.00	31.06	29.50
14483	5.44	.....	.....	.....	3.12*	.....	.....	.....	18.19	.....
14360	4.01	4.00	6.70	6.00	1.50	.....	6.44	6.00	27.78	26.00
14484	1.17	1.00	3.16	3.00	1.35	.....	9.07	9.00	16.87	15.50

* Total Phosphoric Acid.
a. Contains Nitrate of Soda.
† Total "Bone Phosphate,"=21.6% Phos. Acid.
b. Contains Snlfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler, when not the College.)
14368	Patapsco Guano Co., Baltimore, Md.	Corn and Tomato	Snow Hill
14326	" " "	Dissolved S. C. Bone	Baltimore
14369	" " "	Early Trucker	Snow Hill
14411	" " "	Fish Guano	Baltimore
9641	" " "	H. G. Bone and Potash	Baltimore
14562	" " "	Phospho-Potash	Baltimore
14370	" " "	Sea Gull	Snow Hill
9645	" " "	Soluble Bone and Potash	Snow Hill
14563	" " "	Special Wheat Compound	Baltimore
14593	" " "	Tobacco and Potato Fertilizer.	Cockeysville
14412	" " "	Tobacco and Tomato Fertilizer.	Baltimore
14327	" " "	Tobacco Fertilizer	Baltimore
14583	" " "	Woodall's Special Mixture	Georgetown
14564	Piedmont - Mt. Airy Guano Co., Baltimore, Md.	Atlas Fertilizer	Middle River
14565	" " "	Dissolved Bone Phosphate, Potash Goods.	Owings Mills
14464	" " "	Economy	Germantown
14566	" " "	Farmer's Favorite	Baltimore
14413	" " "	Farmer's H. G. Bone and Potash.	Baltimore
14328	" " "	Insula Guano for Corn, Oats and other Crops.	Baltimore
14463	" " "	Levering's Ammoniated Bone.	Germantown
14492	" " "	Levering's Excelsior	Baltimore
14372	" " "	Levering's Harvest Queen	Snow Hill
14329	" " "	Levering's Standard	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14368	1.67	1.50	2.25	2.00	1.68	.....	9.10	9.00	$17.87	$16.25
14326	.....	.....	.....	.....	0.63	.....	14.72	14.00	11.78	11 20
14369	4.88	5.00	5.42	5.00	1.00	.....	7.50	7.00	30.40	29.50
14411	2.01	2.00	2.65	2.00	1.58	.....	7.28	6.00	17.70	15.00
9641	.....	.....	5.03	5.00	0.78	.....	11.29	11.00	14.22	13.80
14562	.....	.....	3.41	3.00	0.48	1.00	6.49	6.00	8.70	8.00
14370	1.34	1.00	1.31	1.00	1.78	.....	8.07	8.00	14.78	12.50
9645	.....	.....	2.29	2.00	0.58	.....	10.74	10.00	11.00	10 00
14563	2.54	2.25	2.77	2.50	2.03	5.00	11.84	9.00	24.31	21.38
14593	2.10	2.00	4.66	4.00	1.85	.....	8.10	8.00	20.85	19.00
14412	2.02	2.00	4.39	4.00	1.68	.....	7.84	8.00	19.97	19.00
14327	3.34	3.00	3.30	3.00	2.48	.....	9.01	9.00	24.99	22.50
14583	0.67	0.50	3.69	3.50	1.18	.....	8.59	8.50	13.15	12.05
14564	1.52	1.00	2.29b	2 00b	0.28	.....	9.52	9.00	17.70	14 90
14565	.....	.....	1.44b	1.00b	0.35	1.00	10.93	10.50	10.54	9.80
14464	0.53	0.25	2.07	2.00	0.30	.....	11.05	10.00	12.83	10 88
14566	1.25	1.00	3.03	4.00	0.58	.....	8.60	8.00	16.24	15.50
14413	.....	.....	1.72	2.00	0.23	.....	9.56	10.00	9.43	10.00
14328	0.75	0.50	2.03	2 00	0.30	.....	7.29	7.00	10.55	9.35
14463	1.35	1.00	3.42	3.00	1.40	.....	7.70	9.00	16.41	15.50
14492	1.04	1.00	1.73	1 00	1.58	.....	7.71	8.00	13.71	12.50
14372	1.11	1.00	2.54	2.00	0.28	.....	8.13	8.00	14.67	13 50
14329	2.68	2.00	3.62	3.00	0.60	.....	8.63	8.00	21.87	18.00

b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler when not the College.)
14497	Piedmont - Mt. Airy Guano Co., Baltimore, Md.	Levering's Standard	Vienna
14330	" " "	Mt. Airy Garden & Truck Fertilizer.	Baltimore
14465	" " "	Peerless Phosphate	Germantown
14519	" " "	Piedmont Dissolved Animal Bone.	Aberdeen
14371	" " "	Piedmont Early Trucker..	Snow Hill
11540	" " "	Piedmont Essential Tobacco Compound.	Baltimore
14331	" " "	Piedmont Fish Guano	Baltimore
14414	" " "	Piedmont Fish Guano	Baltimore
14541	" " "	Piedmont Guano for Tobacco.	Baltimore
14373	" " "	Piedmont H. G. Bone and Potash.	Snow Hill
14332	" " "	Piedmont H. G. S. C. Bone.	Baltimore
14520	" " "	Piedmont Perfection Guano.	Aberdeen
14594	" " "	Piedmont Plow Brand....	Leslie
14333	" " "	Piedmont Potato Producer	Baltimore
14452	" " "	Piedmont Royal Ammoniated Bone and Potash.	Hagerstown
14336	" " "	Piedmont Raw Bone Meal	Baltimore
14334	" " "	Piedmont Special for Tobacco Beds.	Baltimore
14335	" " "	Piedmont Special Truck Fertilizer.	Baltimore
14569	" " "	Piedmont Special Truck Fertilizer.	Middle River
14485	" " "	Piedmont Wheat Compound.	Secretary
14568	" " "	Pure Raw Bone Mixture..	Owings Mills
14486	" " "	Special Mixture	Vienna
14466	" " "	Special Wheat and Grass Phosphate.	Germantown

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14497	2.02	2.00	3.27	3.00	0.63	.....	8.42	8.00	$19.01	$18.00
14330	3.92	4.00	3.70	3.00	1.53	.....	9.15	8.00	27.18	25.00
14465	1.02	1.00	1.65	1.50	1.20	2.00	9.45	8.00	15.15	13.80
14519	2.46	2.50	.....	.....	1.48	.....	10.65	10.00	19.85	18.75
14371	4.08	5.00	5.14	5.00	0.58	.....	9.00	8.00	28.65	30.50
14540	1.67a	2.00	2.02	2.00	0.80	.....	10.95	9.00	19.14	18.00
14331	1.80	2.00	2.05b	2.00b	0.40	.....	9.58	8.00	18.50	17.40
14414	2.35	2.00	1.86	2.00	0.43	.....	8.77	8.00	19.03	17.00
14541	2.51	2.50	3.48	3.00	0.75	.....	8.72	8.00	21.29	19.75
14373	.....	.....	1.67	2.00	0.15	.....	9.73	10.00	9.48	10.00
14332	.....	.....	.....	.....	0.28	.....	14.32	14.00	11.46	11.20
14520	1.84	2.00	5.83	5.00	0.70	.....	8.75	8.00	21.30	20.00
14594	2.12	2.00	2.24	2.00	0.53	.....	7.63	8.00	17.50	17.00
14333	2.73	3.00	5.18	6.00	0.73	.....	7.59	5.00	22.62	21.50
14452	1.45	1.30	2.65	3.00	0.23	1.00	7.21	6.00	15.05	13.95
14336	4.15	4.00	.....	.....	20.25*	40.00†	.....	.....	28.79	.....
14334	7.34a	7.00	2.86	2.00	0.93	.....	5.27	5.00	34.19	31.50
14335	5.94a	7.00	4.65	5.00	0.95	.....	7.37	6.00	33.19	35.50
14569	5.56a	7.00	4.95	5.00	1.35	1.00	7.68	6.00	32.63	35.90
14485	.....	.....	6.34	5.00	0.10	.....	11.45	12.00	15.52	14.60
14568	1.23	1.25	2.52	2.00	3.60	.....	9.44	8.00	17.71	14.38
14486	.....	.....	6.01	6.00	0.10	.....	7.55	7.00	12.07	11.60
14466	2.02	2.00	2.33	2.00	0.65	1.00	9.74	8.50	19.40	17.90

a. Contains Nitrate of Soda. b. Contains Sulfate of Potash.
* Total Phosphoric Acid. † Total "Bone Phosphate,"=18% Phos. Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler when not the College.)
14387	The Pollock Fertilizer Co., Baltimore, Md.	Ammoniated Bone Phosphate.	Baltimore
14269	" " "	Corn and Tobacco Grower.	Wheel..... (H. J. Hollingsworth.)
14415	" " "	Dissolved Animal Bone ..	Baltimore
14416	" " "	Dissolved S. C. Bone.....	Baltimore
14270	" " "	Ground Animal Bone.....	Wheel..... (H. J. Hollingsworth)
14417	" " "	Owl Brand Guano... ...	Baltimore
14418	" " "	Soft Ground Bone.....	Baltimore
14388	" " "	Special Potato and Tobacco Fertilizer.	Baltimore
14419	" " "	Superior Corn and Tomato Fertilizer.	Baltimore
14521	" " "	Victor Bone Phosphate...	Emmittsburg
14467	R. H. Pumphrey, Germantown, Md.	Farmer's Special	Germantown
14468	" " "	Royal Compound.....	Germantown
14469	Ramsburg Fertilizer Co., Frederick, Md.	Ammoniated Bone Phosphate.	Silver Springs
14470	" " "	Corn and Potato Fertilizer.	Barnesville..
14584	" " "	Excelsior Plant Food.....	Ijamsville
13800	Rasin - Monumental Co., Baltimore, Md.	*Ammoniated Super-Phosphate.	Baltimore
14453	" " "	Ammoniated Super-Phosphate.	Hagerstown
9653	" " "	Bone and Potash Fertilizer, Rasin's.	Federalsburg
14595	" " "	Buyer's Mixture.....	Baltimore
14471	" " "	Dissolved Bone	Silver Springs
14337	" " "	Early Trucker's Special..	Baltimore
14338	" " "	H. G. Bone and Potash Fertilizer.	Baltimore
14421	" " "	Rasin's Acid Phosphate..	Baltimore

*Republished to correct error in Quarterly No. 27.

No.	NITROGEN Calculated as AMMONIA.		POTASH K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14387	2.22	2.00	2.25	2.00	1.80	1.00	8.11	8.00	$18.85	$17.40
14269	1.91	2.00	4.42	4.00	1.95	1.00	7.79	8.00	19.68	19.40
14415	2.66	2.50	.....	.....	2.75	.....	12.05	12.00	22.46	20.75
14416	.....	.....	.....	.....	1.00	1.00	14.51	14.00	11.61	11.20
14270	5.26	4.00	.....	.....	20.28*	22.00*	.....	.....	31.07	.....
14417	0.90	1.50	2.39	1.50	1.45	1.00	8.21	7.00	14.33	14.15
14418	2.66	3.00	.....	.....	15.89*	14.00*	.....	.....	21.43	.....
14388	2.25	2.00	4.54	4.00	1.93	1.00	7.77	8.00	20.96	19.40
14419	1.26	1.00	2.17	2.00	1.53	1.00	8.10	8.00	15.29	13.90
14521	.....	.....	1.90	1.00	0.53	1.00	10.66	9.00	10.54	8.40
14467	1.25	1.00	4.80	4.00	0.88	.....	8.24	8.00	17.77	15.50
14468	1.55a	2.00	3.08	2.00	1.55	.....	7.58	8.00	16.71	17.00
14469	1.31	1.00	2.26	2.00	3.78	2.00	9.21	10.00	17.57	16.30
14470	1.25	1.50	2.05	2.00	0.78	2.00	11.56	9.00	18.30	17.05
14584	1.76	2.00	2.03	2.00	1.58	.....	11.44	9.00	20.26	18.00
13800	1.81	1.00	2.95	1.00	1.63	1.00	8.27	8.00	18.21	12.90
14453	1.26	1.00	1.29	1.00	2.18	1.00	7.26	8.00	13.83	12.90
9653	.....	.....	1.90	2.00	2.40	1.00	9.84	10.00	10.25	10.20
14595	3.43a	3.00	3.61	3.00	0.98	.....	7.66	8.00	23.67	21.50
14471	1.88	2.00	.....	.....	1.10	2.00	10.33	10.00	17.35	17.80
14337	5.02a	5.00	4.63	5.00	0.73	.....	6.89	6.00	29.38	28.50
14338	.....	.....	4.70b	5.00b	1.93	.....	12.50	12.00	16.03	15.60
14421	.....	.....	.....	.....	0.98	1.00	14.59	14.00	11.67	11.20

* Total Phosphoric Acid. a. Contains Nitrate of Soda,
b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
14339	Rasin Monumental Co., Baltimore, Md.	Rasin's Empire Guano ...	Baltimore.....
14340	" " "	Rasin's Gold Standard....	Baltimore.....
9654	" " "	Rasin's I X L Fertilizer..	Price .....
14422	" " "	Rasin's National Crop Compound.	Baltimore.....
14487	" " "	Rasin's Standard Tomato Grower.	Federalsburg .....
14341	" " "	Rasin's Truck Guano.....	Baltimore.....
14342	" " "	Rasin's XXX Fertilizer...	Baltimore.....
14423	" " "	Sea Wall Special.....	Baltimore.....
14424	" " "	Special Bone and Potash .	Baltimore.....
14343	" " "	Special Fish and Potash Mixture.	Baltimore.....
14425	" " "	Special Formula for Corn and Buckwheat.	Baltimore.....
14344	" " "	Special Formula for Corn and Tomatoes.	Baltimore.....
14596	" " "	Special for Vines and Vegetables.	Baltimore.....
14459	" " "	Truckers' Mixture.....	Pocomoke City ....
14345	" " "	Wm. Penn Crop Grower..	Baltimore.....
14361	W. E. Robinson, Vale, Md.	H. G. Potato Guano.....	Stockton.....
14522	" " "	Tomato and Wheat Fertilizer.	Pylesville.....
14570	" " "	Vegetable Fertilizer.....	Bradshaw.....
14445	Chas. Schaeffer, Westminster, Md.	Governor.....	Westminster.....
14446	" " "	Leader.....	Westminster.....
14447	" " "	Super A	Westminster.....
14499	The Scott Fertilizer Co., Elkton, Md.	Corn and Oats Grower ...	Childs .....
14523	" " "	Ground Raw Bone.....	Aberdeen .....

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14339	2.12	2.00	2.30	2.00	1.48	1.50	8.16	8.00	$18.47	$17.60
14340	3.02a	3.00	5.62	6.00	1.83	1.00	5.96	6.00	22.88	22.90
9654	1.14	1.00	3.03	3.00	1.55	.....	10.60	8.00	18.23	14.50
14422	1.01	1.00	4.28	4.00	0.85	1.00	9.08	8.00	17.24	15.90
14487	1.23	1.00	5.78	5.00	1.78	.....	7.27	7.00	18.07	15.50
14341	4.02a	4.00	2.47	2.00	1.98	.....	7.14	7.00	24.47	23.00
14342	1.96a	2.00	4.68	5.00	0.88	1.00	9.03	8.00	20.89	20.40
14423	.....	.....	.....	.....	4.38	1.50	9.38	10.00	7.50	8.00
14424	.....	.....	3.14	3.00	0.73	1.00	12.22	12.00	13.07	12.80
14343	2.25	2.00	3.70	3.00	2.20	.....	6.18	6.00	18.64	16.00
14425	.....	.....	2.88	3.00	1.08	1.00	5.69	6.00	7.65	8.00
14344	.....	.....	3.02	3.00	0.98	.....	6.03	6.00	8.04	7.80
14596	1.33	1.00	7.02b	8.00b	1.55	1.00	8.41	8.00	22.11	21.50
14459	6.54a	7.00	5.57	5.00	1.20	.....	6.72	6.00	35.66	35.50
14345	1.23	1.00	1.37	1.00	3.68	.....	7.33	8.00	14.48	12.50
14361	4.73	5.00	6.36	7.00	1.63	.....	6.98	6.00	30.55	30.50
14522	1.66	2.00	2.34	2.00	0.43	.....	8.58	8.00	16.90	17.00
14570	1.55a	2.00	2.32	2.00	1.84	.....	7.85	9.00	16.34	18.00
14445	1.57	1.50	2.70	2.50	0.83	.....	9.95	9.00	18.48	16.75
14446	1.28	1.00	1.96	1.50	0.95	.....	9.14	8.00	15.96	13.00
14447	1.02	0.75	1.45	1.00	1.10	.....	8.66	8.00	14.12	10.03
14499	0.68	0.50	2.56	2.00	3.78	.....	8.68	8.00	12.64	10.15
14523	4.23	4.00	.....	.....	22.92*	22.00	.....	.....	30.19	.....

* Total Phosphoric Acid.
a Contains Nitrate of Soda.
b Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler when not the College.)
14500	The Scott Fertilizer Co., Elkton, Md.	Potato and Truck Special.	Childs
14501	" " "	Potato Grower	Childs
14502	" " "	Pure Dissolved Bone	Childs
14524	" " "	Sure Growth Compound	Aberdeen
14503	" " "	Sure Growth Super-Phosphate.	Childs
14504	" " "	Tip Top and Potash	Childs
14505	" " "	Tip Top Soluble Bone	Childs
14087	C. F. Smith, Ridgely, Md.	Smith's Spring Trucker	Baltimore
14526	Smith, Rouse & Webster, Bel Air, Md.	Formula, No. 1, Corn and Tomato Grower.	Belcamp
14527	" " "	Formula, No. 2, Corn and Tomato Grower.	Highland
14528	" " "	Ground Bone	Belcamp
14529	" " "	Pure Dissolved Bone	Bel Air
14525	The Southern Fertilizer Co., York, Pa.	Special Brand for All Crops.	Fallston
14493	Standard Guano Co., Baltimore, Md.	Fish, Rock and Potash	Baltimore
14573	" " "	Granger	Baltimore
14530	Geo. W. Stockdale, Thurmont, Md.	Ammoniated Super-Phosphate.	Thurmont
14448	H. S. Stouffer, New Windsor, Md.	Butcher-house Phosphate.	New Windsor
14426	Wm. H. Streett & Co., Fallston, Md.	Ammoniated Diss. Bone.	Baltimore
14574	" " "	H. G. Bone Phosphate	Baltimore
14531	" " "	S. C. Rock	Fallston
14585	J. W. Sullivan, Monrovia, Md.	Sullivan's S.S.S.	Monrovia
14571	E A. Talbott, Ellicott City, Md.	Ammoniated Bone Phosphate.	Ellicott City
14572	" " "	Grain and Grass Grower	Ellicott City

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14500	1.67	2.00	5.42	5 00	2.98	.....	7.52	7.00	$19.98	$19 00
14501	1.89a	2.00	10.05	10.00	1.63	.....	7.82	6.00	25.14	23.00
14502	3.04	2.50	.....	.....	3.00	2 00	14.20	13.00	26.04	22.55
14524	3.04a	4.00	8.94	7.00	2.45	.....	7.40	7 00	27.96	28.00
14503	2.08a	2.00	3.80	3.00	2.50	2.00	9.23	10.00	21.31	20.80
14504	.....	.....	2.15b	2.00b	3.30	.....	10.85	11 00	11.92	11.20
14505	.....	.....	.....	.....	1.20	.....	14.68	14 00	11.74	11.20
14087	3.02	3.00	6.71b	5.00b	1.93	.....	8.10	8.00	27.49	24.50
14526	2.70	2 00	2.10	2.00	1.50	1.50	9.40	9.00	21.55	18.60
14527	1.23a	1 00	2.09	2 00	1.55	1.50	9.35	9.00	16.47	15.10
14528	4.73	4.50	.....	.....	23.70*	20.00*	.....	.....	30.21	.....
14529	2.68	2.50	.....	.....	1.63	2.00	12.49	11.00	22.52	20.55
14525	.....	.....	5.89	6.00	0.75	2.00	10.15	10.00	14.16	14.40
14493	0.89	0.50	1.53b	1.00b	0.68	1.00	7.00	6 00	10.70	7.95
14573	2.05	2.00	3.00b	2.00b	0.63	1.00	9.54	5.00	20.57	14.80
14530	1.16	1.00	2.38	2 25	1.13	.....	11.02	9.00	17.91	14.75
14448	0.72	0.75	7.44	2.50	0.80	1.00	9.56	8.00	17.72	11.73
14426	1.31	1.50	2.32	2.00	2.23	1.50	9.28	8.00	17.08	15.85
14574	2.10a	2.50	3.32	3.00	1.53	1.50	8.51	8.00	19.79	20 35
14531	.....	.....	.....	.....	0.88	.....	15.35	14.00	12.28	11.20
14585	2.10	2.00	2.29	2.00	1.03	.....	7.43	9.00	17.48	18.00
14571	1.25	1.00	2.33	2.00	1.10	.....	8.73	8.00	15.88	13.50
14572	1.76	2.00	2.62	3 00	1.40	.....	10.94	9.00	20.28	19.00

* Total Phosphoric Acid. a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14575	H. S. Taveau & Co., Baltimore, Md.	Allerton Guano	Baltimore
14389	" " "	Dissolved S. C. Bone	Baltimore
14576	" " "	Florida Phosphate	Baltimore
14390	" " "	Pride of Maryland	Baltimore
14427	" " "	Pure Ground Bone Meal	Baltimore
14577	" " "	Special Compound	Baltimore
14346	" " "	Special Compound No. 1	Baltimore
14578	" " "	Special Wheat Mixture	Baltimore
14454	D, A. Thomas, Hagerstown, Md.	Dissolved Bone Phosphate	Hagerstown
14455	" " "	Excelsior Fertilizer	Hagerstown
14456	" " "	Fine Raw Bone	Hagerstown
14457	" " "	Golden Sheaf	Hagerstown
14586	" " "	Soluble Bone and Potash	Boonsboro
14273	" " "	Special Mixture	Hagerstown (B. O. Hershey.)
14251	Wm. B. Tilghman Co., Salisbury, Md.	Fish	Oak Grove (J. N. Wright.)
14362	" " "	Fish Bone and Potash Mixture.	Salisbury
14363	" " "	Mixture "B"	Salisbury
14364	" " "	Standard Fish Mixture	Salisbury
14365	E. W. Truitt & Co., Salisbury, Md.	H. G. Trucker	Salisbury
14460	" " "	XX Fish Mixture	Salisbury
14587	Turner & Son, Betterton, Md.	Truck Guano	Betterton
14428	" " "	XX Tomato, Potato and Truck Fertilizer	Baltimore
14398	Tuscarora Fertilizer Co., Baltimore, Md.	Acid Phosphate	Crumpton

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14575	2.35	2.00	3.25	2.50	1.50	.....	8.72	9.00	$20.80	$18.50
14389	.....	.....	.....	.....	1.03	.....	15.36	14.00	12.29	11.20
14576	.....	.....	.....	.....	0.95	.....	14.34	14.00	11.47	11.20
14390	1.23	1.00	3.53	2.50	1.15	.....	9.27	10.00	17.57	16.00
14427	2.75	3 00	.....	.....	15.68*	38.00†	.....	.....	21.27	.....
14577	.....	.....	2.46	2.00	0.70	.....	10.58	10.00	11.06	10.00
14346	3.02	3.00	3.66	3.00	1.60	.....	8.22	8.00	23.09	21.50
14578	.....	.....	3.09	2.50	0.68	.....	11.39	11.00	12.34	11.30
14454	.....	.....	.....	.....	1.10	.....	14.83	14.00	11.96	11.20
14455	2.05	2.00	4.53	4.50	1.48	.....	8.05	8.00	20.35	19.50
14456	4.52	4.50	.....	.....	21.78*	22.00*	.....	.....	32.54	.....
14457	1.01	1.00	1.40	1.00	1.63	.....	7.95	8.00	13.54	12.50
14586	.....	.....	2.03	2.00	1.10	.....	11.22	11.00	11.23	10.80
14273	1.66	1.72	5.15	5.00	1.40	.....	11.32	10.50	22.84	21.52
14251	11.25	11 00	.....	.....	6.55*	.....	.....	.....	37.68	33.00
14362	1.04	1.00	1.90	2.00	0.53	.....	12.14	10.00	17.89	15.50
14363	3.81a	4.00	4.50	3.00	1.23	.....	9.21	8.00	27.54	25.00
14364	2.13	2.50	2.95	2.00	1.08	.....	9.07	8.00	19.91	18.75
14365	3.74a	4.00	3.84	3.00	1.61	2.00	7.97	7.00	25.54	24.80
14460	2.25	2.50	2.32	2.00	0.95	.....	8.82	8.00	19.40	18.75
14587	1.25	1.00	2.10	2.00	1.20	.....	8.39	8.00	15.35	13.50
14428	2.08	2.00	4.51	4.00	1.73	.....	7.82	7.00	20.30	18.00
14398	.....	.....	.....	.....	0.95	.....	14.14	14.00	11.31	11.20

* Total Phosphoric Acid.
† Total Bone Phosphate,=17% Phos. Acid.
a Contains Nitrate of Soda.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling. (and Sampler, when not the College.)
14429	Tuscarora Fertilizer Co., Baltimore, Md.	Alkaline	Baltimore
14347	" " "	All Soluble	Baltimore
14391	" " "	Animal Bone	Baltimore
14392	" " "	Big-4-Four	Baltimore
14393	" " "	Fruit and Potato	Baltimore
14597	" " "	Special Mixture	Zion
14579	" " "	Standard Phosphate	Baltimore
14394	" " "	Sure Growth	Baltimore
14395	" " "	Trucker	Baltimore
14488	" " "	York State Special	Secretary
14506	The J. E. Tygert Co., Philadelphia, Pa.	Ammoniated Super-Phosphate.	Childs
14507	" " "	Bone Phosphate	Childs
14508	" " "	Gold-Edge Potato Guano	Childs
14473	J. Tyson & Sons, Frederick, Md.	Special Mixture	Barnesville
14430	Va.-Carolina Chemical Co., Richmond, Va.	Corn and Buckwheat Special.	Baltimore
14449	" " "	14% Acid Phosphate	Taneytown
14580	" " "	National Ammo. Guano	Baltimore
14374	" " "	Seven Per Cent Truck	Snow Hill
14396	" " "	Special Bone and Potash	Baltimore
14598	" " "	Special Compound for Wheat.	Baltimore
14375	" " "	Standard Bone and Potash	Snow Hill
14357	" " "	Standard Crop Grower	Baltimore
14376	" " "	Standard Tomato Grower.	Snow Hill

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14429	....	.....	5.98	5.00	0.78	.....	9.90	10.00	$14.06	$13.00
14347	3.70a	3.50	4.83	4.00	0.85	.....	8.63	8.00	26.75	24.25
14391	3.16	3.00	.....	.....	21.95*	24.00*	.....	.....	28.96	.....
14392	2.24	2.00	4.37	4.00	2.15	.....	7.37	7.00	20.44	18.00
14393	2.15	2.00	10.10	10.00	2.05	.....	8.58	8.00	27.03	25.00
14597	1.19	1.00	7.03	7.00	2.33	.....	8.83	9.00	20.96	19.50
14579	2.06	2.00	2.21	2.00	2.33	.....	8.16	8.00	18.51	17.00
14394	0.68	0.50	3.24	3.00	1.55	.....	8.87	8.00	13.03	11.15
14395	5.09	5.00	7.99	7.00	2.15	.....	8.10	8.00	34.79	32.50
14488	1.48	1.00	3.79	4.00	2.18	.....	8.75	8.00	18.59	15.50
14506	1.28	1.50	1.75	1.50	0.23	1.50	8.97	8.00	15.29	15.35
14507	1.77a	2.25	2.75b	2.50b	0.58	2.00	9.22	9.00	18.95	20.68
14508	1.79	2.00	4.64	5.00	0.55	1.00	7.26	7.00	18.39	19.40
14473	1.48	1.00	1.22	1.00	2.03	.....	7.52	8.00	14.73	12.50
14430	....	.....	3.14	3.00	1.30	1.00	5.17	6.00	7.54	8.00
14449	....	.....	....	.....	1.70	1.00	14.10	14.10	11.28	11.20
14580	0.92	1.00	4.37	4.00	0.78	1.00	8.29	8.00	16.19	15.90
14374	6.86a	7.00	5.60	5.00	1.30	.....	6.64	6.00	36.77	35.50
14396	.....	.....	4.31	3.00	2.13	1.00	9.90	12.00	12.66	12.80
14598	1.30	1.00	1.02	1.00	3.78	1.00	7.74	8.00	14.82	12.90
14375	.....	.....	1.80	2.00	2.15	.....	9.87	10.00	10.13	10.00
14357	2.18	2.00	2.47	2.00	1.63	1.00	8.24	8.00	18.99	17.40
14376	1.14	1.00	5.80	5.00	1.53	.....	7.11	7.00	17.51	15.50

a. Contains Nitrate of Soda.
b. Contains Sulfate of Potash.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.)
9642	Virginia-Carolina Chemical Co., Richmond, Va.	Truckers' Special	Baltimore
14489	S. L. Webster & Son, Cambridge, Md.	Ammoniated Bone Fertilizer No. 1.	Cambridge
14348	" " "	Ammoniated Bone Fertilizer No. 2.	Baltimore
14490	" " "	Bone and Potash	Two Johns
14494	" " "	Fish Mixture	Baltimore
14532	Harry W. Whistler, Fountain Green, Md.	Crop Grower	Forest Hill
14533	" " "	Pure Bone Meal	Bel Air
14534	O. M. Whitaker, Reckord, Md.	Complete Fertilizer	Fallston
14366	F. M. Wilson & Co., Pocomoke City, Md.	Favorite Truck Fertilizer.	Pocomoke City
14367	" " "	Peninsula Ammo. Super-Phosphate.	Pocomoke City
14495	The Wooldridge Orchilla Co., Baltimore, Md.	Bizzy Bee Ammonia and Potash Phosphate,	Baltimore
14496	" " "	Cyclone	Baltimore
14351	" " "	Faultless Ammoniated Bone Phosphate.	Baltimore
14352	" " "	F. F. V.. Flesh and Fish Vegetator.	Baltimore
14353	" " "	H. G. Potato and Tomato Grower.	Baltimore
14599	" " "	Old Hickory Phosphate	Baltimore
14354	" " "	Orchilla Guano	Baltimore
9651	" " "	Orchilla Guano	Salisbury
14355	" " "	Searchlight. Garden and Truck Phosphate.	Baltimore
14356	" " "	Tiger Bone Stock Phosphate.	Baltimore
14581	" " "	Virginia Belle Potash Mixture.	Baltimore
9626	The R. A. Wooldridge Co., Baltimore, Md.	Champion Giant Phosphate.	Ellicott City
14542	" " "	Chieftain Bone Stock Phosphate.	Snow Hill

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O.		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
9642	4.44a	5.00	4.12	5.00	0.48	1.00	7.41	6.00	$27.26	$28 90
14489	2.80	2.50	3.98	2.50	4.15	.....	8.08	10.00	23.52	21 25
14348	2.66	2.00	2.65	2.00	3.38	.....	7.01	8.00	20.32	17.00
14490	.....	.....	2.56	2.00	1.18	.....	11.06	10.00	11.65	10.00
14494	1.98	1.50	2.87	2.00	1.88	.....	8.21	8.00	18.76	15.25
14532	1.62a	1.50	2.02	2.00	2.95	.....	9.34	8.00	18.21	15.25
14533	2.20	2.00	.....	.....	23.86*	22.90*	.....	.....	28.79	.....
14534	2.56a	2.00	2.38	2.00	1.68	.....	8.08	9.00	20.09	18.00
14366	3.04	3.00	6.45	6.00	0.98	.....	9.09	9.00	26.57	25 50
14367	1.40	1.00	2.64	1.50	0.98	.....	11.07	12.00	19.00	17.00
14495	0.90	1.00	1.52	1.00	0.70	1.00	7.75	7.00	13.70	11.90
14496	2.18	3.00	3.25	3.00	1.30	2.00	8.97	8.00	20.37	22 30
14351	1.54	2.00	2.71	2.00	0.95	2.00	8.94	8.00	17.42	17 80
14352	3.33a	3.00	9.04	7.00	2.05	1.50	7.59	7.00	29.11	25.10
14353	1.40	2.00	5.94	5.00	1.10	1.50	9.66	9.00	20.94	21.60
14599	1.02a	1.00	2.95	2.50	1.00	1.50	8.20	8.00	15.12	14.60
14354	.....	.....	.....	.....	9.28	13.00	4.70	4.00	7.47	8.40
9651	.....	.....	.....	.....	8.00	13.00	6.17	4.00	8.14	8 40
14355	4.54a	4.50	6.86	7.00	1.05	2.00	8.34	8.00	31.51	31.55
14356	1.28a	1.25	5.34	4.50	0.95	1.50	8.55	8.00	18.75	17.48
14581	.....	.....	3.44b	3.00b	1.35	1.00	11.90	12.00	13.92	13.40
9626	1.14	1.00	2.26	2.00	1.23	1.50	9.10	9.00	15.84	15.10
14542	2.29	2.00	2.35	2.00	.95	1.50	8.71	8.00	19.46	17.60

a Contains Nitrate of Soda.
* Total Phosphoric Acid.
b Contains Sulfate of Potash.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling, (and Sampler, when not the College.)
14349	The R. A. Wooldridge Co., Baltimore, Md.	German Potash Mixture.	Baltimore.
14377	" " "	Golden Crown.	Snow Hill
9627	" " "	Liberty Bell Potash Mixture.	Ellicott City:
14431	" " "	Old Sledge Phosphate	Baltimore
14432	" " "	Pure Raw Bone	Baltimore
14350	" " "	Special Potato Fertilizer.	Baltimore
14433	" " "	Sweep Stakes "Sure Shot" Truck Phosphate.	Baltimore
14378	" " "	Triumph Pure Bone Phosphate.	Snow Hill
9643	" " "	Tuckahoe Bone Meal	Baltimore

No.	NITROGEN Calculated as AMMONIA.		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
14349	....	.....	2.29	2.00	0.55	1.00	10.67	10.00	$10.94	$10.20
14377	7.03a	7.00	5.75	5.00	1.33	1.00	6.75	7.00	37.64	36.90
9627	....	.....	3.19	3.00	0.50	1.00	12.52	12.00	13.31	12.80
14431	.....	.....	4.95	5.00	0.53	1.00	12.43	12.00	15.00	14.80
14432	5.00	4.00	....	.....	20.40*	45.00†	.....	.....	30.92	.....
14350	2.34a	2.00	5.66	5.00	1.28	1.50	7.77	9.00	22.13	21.60
14433	3.17	3.00	8.31	8.00	2.03	1.00	7.39	7.00	27.61	25.90
14378	1.76	1.50	4.30	4.00	1.33	2.00	8.30	8.00	19.29	18.05
9643	2.61	3.00	.....	.....	4.35	1.00	11.40	14.00	22.28	24.90

a. Contains Nitrrate of Soda. b. Contains Sulfate of Potash.
* Total Phosphoric Acid. † Total "Bone Phosphate,"=20½% Phos. Acid.

Table Showing Mechanical Analysis of Bone.

(The Chemical Analysis is Given in the Preceding Table.)

No.	NAME AND ADDRESS OF MANUFACTURER.	NAME OF FERTILIZER.	Fine Less than 1-50 inch.	Fine-Medium 1-25 to 1-50 inch.	Medium 1-25 to 1-12 inch.	Coarse Larger than 1-12 inch.
14163	American Agricultural Chemical Co., New York, N. Y.	Fine Ground Bone	60	26	12	2
14220	American Agricultural Chemical Co., New York, N. Y.	Pure Ground Bone	46	32	21	1
14267	Armour Fertilizer Works, Baltimore, Md.	Bone Meal	54	43	2	1
9631	Armour Fertilizer Works, Baltimore, Md.	Bone Meal	70	21	8	1
14213	Armour Fertilizer Works, Baltimore, Md.	Raw Bone Meal	72	26	2	0
14272	Baugh & Sons Co., Baltimore, Md.	Fine Ground Animal Bone	61	22	14	3
14238	Baugh & Sons Co., Baltimore, Md.	Fine Ground Bone	51	40	8	1
14159	Baugh & Sons Co., Baltimore, Md.	Raw Bone Meal	42	49	9	0
14242	Baugh & Sons Co., Baltimore, Md.	Raw Bone Meal	43	48	9	0
14268	Baugh & Sons Co., Baltimore, Md.	Raw Bone Meal	49	47	4	0
14259	Baugh & Sons, Co., Baltimore, Md.	Raw Bone Meal	39	47	14	0
14205	The Berg Co., Philadelphia, Pa.	Fine Raw Bone	37	27	29	7
14161	C. E. Bond, Spencerville, Md.	Ground Bone	30	44	23	3
14162	The Bryant Fertilizer Co., Alexandria, Va.	Fine Ground Raw Bone	22	30	47	1
14207	The Eureka Fertilizer Co., Perryville, Md.	Ground Bone	70	21	9	0
14197	Griffith & Boyd, Baltimore, Md.	Fine Ground Bone Meal	49	25	23	4
14097	Griffith & Turner Co., Baltimore, Md.	Pure, Fine Bone Meal	32	24	41	3
14509	Hanway, Barnes & McComas, Bel Air, Md.	Ground Bone	53	27	18	2
14386	S. L. Lamberd Co., Baltimore, Md.	Pure, Fine Ground Bone Meal	42	28	27	3
14450	Jos. Lister, Chicago, Ill	Pure Bone Meal	45	32	23	0
14404	The D. B. Martin Co , Philadelphia, Pa.	Pure Ground Bone	61	27	11	1
14516	The D. B. Martin Co., Philadelphia, Pa.	Pure Raw Bone Meal	36	38	25	1
14518	The Miller Fertilizer Co., Baltimore, Md.	Ground Bone	46	44	10	0
14591	The Miller Fertilizer Co., Baltimore, Md.	Pure Raw Bone Meal	48	48	4	0
14264	Norton Manufacturing Co., Washington, D, C.	Raw Bone	56	33	9	2
14336	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Piedmont Raw Bone Meal	45	28	26	1
14270	The Pollock Fertilizer Co., Baltimore, Md	Ground Animal Bone	40	23	36	1
14418	The Pollock Fertilizer Co., Baltimore, Md.	Soft Ground Bone	54	27	14	5
14523	The Scott Fertilizer Co., Elkton, Md.	Ground Raw Bone	35	35	25	5
14528	Smith, Rouse & Webster, Bel Air, Md.	Ground Bone	14	43	42	1
14427	H. S. Taveau & Co.. Baltimore, Md.	Pure Ground Bone Meal	52	27	14	7
14456	D. A. Thomas, Hagerstown, Md.	Fine Raw Bone	45	50	5	0
14391	Tuscarora Fertilizer Co., Baltimore, Md.	Animal Bone	61	25	12	2
14533	Harry W. Whistler, Fountain Green, Md.	Pure Bone Meal	70	22	8	0
14432	R. A. Wooldridge Co., Baltimore, Md.	Pure Raw Bone	38	35	26	1

Fertilizer Law of Maryland.

Section 1. That the term "fertilizer," as used in this Act, shall be held to mean any commercial fertilizer, or any article, substance or mixture sold, offered or exposed for sale for manurial purposes within this State, of which the selling price shall be more than ten dollars per ton of two thousand pounds.

That the term "brand," as used in this Act, shall be held to mean the name under which the commercial fertilizer is sold, together with the statement of the percentage of valuable ingredients contained therein.

That the professor in charge of the Chemical Department of the Maryland Agricultural College shall be ex-officio State Chemist, or (that the term State Chemist, as used in this Act, shall mean the professor in charge of the Chemical Department of the Maryland Agricultural College).

Sec. 2. And be it enacted, That before any fertilizer is sold, offered or exposed for sale within the State, the following conditions must be complied with: (1) The importer, manufacturer, manipulator, dealer or agent shall take out a license for the sale of fertilizer, which license shall be rated upon the number of brands contemplated to be sold at the rate of fifteen dollars for each brand; said license to be prepared and furnished by the Comptroller of the Treasury, and to be issued at any time, to be good until the first day of February following; provided that when any such importer, manufacturer or manipulator shall have taken out a license as herein provided, it shall not be necessary for any other person, as his agent or representative, to take out a license to sell the fertilizers provided for by the party who had taken out such license. (2) Every bag, barrel or package of fertilizer, and every parcel or lot, if sold in bulk, must bear in legible print, or be accompanied by a clear and true statement, showing the net pounds of fertilizer in the package or lot, the name, brand or trade-mark under which the fertilizer is sold, the name and address of the importer, manufacturer or manipulator, the place of manufacture or manipulation, and a chemical analysis stating the percentum of the minimum, and only the minimum, contained therein of nitrogen or its equivalent in available ammonia, of potash soluble in distilled water, and of available phosphoric acid.

Sec. 3. And be it enacted, That any failure to comply with any or all of the conditions provided in Section two of this Act, shall be punishable by a fine of one hundred dollars ($100) for the first offense, and of two hundred dollars ($200) for every subsequent offense.

Sec. 4. And be it enacted, That any person, firm or company selling or offering for sale any fertilizer in this State, or intending so to do, and not licensed by the Comptroller, as provided by this Act, shall on or before the thirty-first day of July in each and every year, send his or their name or names, with the postoffice address, and the names of the kinds, brands and trade-marks, and of the manufacturer, importer or manipulator of each fertilizer sold or proposed to be sold, to the Maryland Agricultural College, and the same

shall be registered in suitable books kept for that purpose, and any failure to comply with the provisions of this section shall be punishable by a fine of twenty-five dollars ($25) for the first offense, and of fifty dollars ($50) for every subsequent offense.

Sec. 5. And be it enacted, That it shall be the duty of the Maryland Agricultural College to analyze, without cost or charge, all samples of fertilizer sent to it for the purpose of being analyzed by any person, or persons purchasing or procuring the same in this State for his or their use or uses; provided, such persons are not interested in the analysis desired other than a consumer, of which affidavit shall be made and shall accompany each sample or brand; and further, such samples are taken and sent as described by this Act and free of cost of transportation to said College, and it shall be the duty of the Maryland Agricultural College to procure samples, as far as practicable, in every year, of all the fertilizers sold and used in this State, for the purpose of analyzing the same, and any duly authorized agent or representative of the said College shall have the right to take samples, as provided by this Act, from any lot or parcel of fertilizer in transit or in possession or keeping of any manufacturer, manipulator, dealer or agent, and sold or offered for sale in this State, and it shall be the duty of the Maryland Agricultural College to send in the result of every sample of fertilizer to the persons from whom such sample was taken or received, and also to publish from time to time the results of the analysis made by the said College of the samples sent to or procured by it for such purpose, and it shall be the duty of the Maryland Agricultural College, when reporting or publishing the result of any analysis made, to state the commercial value in dollars and cents of the fertilizer so analyzed, per ton of two thousand pounds, such value to be based upon the analysis made by the College, and upon a standard of valuation to be ascertained, fixed and published by said College, annually, after conference with the proper officials of adjacent States.

Sec. 6. That all samples of fertilizer for analysis at the Maryland Agricultural College shall be taken from unbroken packages or bags that have not been damaged or injured in transit or by exposure, and when in the possession of the purchaser or purchasers within thirty (30) days after coming into their possession, it shall be lawful for any such purchaser or purchasers of any such manures or fertilizers, provided that he be not a manufacturer, manipulator or agent of either, to take from any such unbroken packages or bags, a sample, not exceeding two pounds, placing the same in bottle or bottles, jar or jars, which shall then be corked tightly and forwarded to the Maryland Agricultural College for analysis, that it shall not be lawful for the said Agricultural College, or its chemists, to previously demand of any such purchaser or purchasers so sending said sample or samples for analysis, to give any advices, information or statement to the said College or its chemists as to any analysis found on the original unbroken packages or bags from which said sample or samples were taken, or the name or names of any individual, representative, agent or corporation or firm from which said manures or fertilizers were purchased; and it shall be the duty of the Agricultural

College to have its proper and authorized chemist to at once make a full and complete analysis of the manures or fertilizers contained in such bottles, jar or jars, and within thirty (30) days thereafter return to such person or persons from whom the sample or samples were received a full and complete analysis of the said manures or fertilizers sent for analysis. And it shall be unlawful for any individual or any representative or agent of any corporation or firm, or any corporation or firm itself, to have, either directly or indirectly, communication with the Agricultural College or its chemist, agent or representative, or the sender of any sample with regard to the analysis of any manures or fertilizers sent to the Agricultural College by the purchaser or purchasers thereof for analysis under the provisions of this section, nor shall the Agricultural College nor its chemist nor its agent or agents, or the sender of any sample, furnish any information or communicate with any manufacturer of fertilizers about any such sample submitted for analysis until after a report of said analysis shall have been duly furnished to the applicant for such analysis under this section; provided, that all samples sent to the Maryland Agricultural College by any purchaser or purchasers, shall shall be drawn from at least five per cent. of the total number of bags purchased; these samples to be thoroughly mixed in a clean, dry place, and a suitable sample shall be taken from said mixture and placed in a suitable vessel or vessels, carefully closed, with an identifying label, and the same then taken or sent by safe carriage to the said College for analysis; every sample for analysis by the State Chemist, as provided for by this section, shall be fully described in forms to be furnished by said chemist free of charge, said description giving a full and complete statement of the time and place of sampling of all marks on the bags or packages thereof, and all of the facts relating to the same, said description and statement shall be made under affidavit before a justice of the peace or notary public, and the same shall be retained as confidential by said justice or notary until required by this Act to be sent to the State Chemist; provided, further, that the purchaser or purchasers sending such sample or samples of fertilizer shall withhold said description or descriptions of said sample or samples until he has received the report of the said State Chemist of the analysis of the same.

Any person or persons receiving an analysis from the State Chemist under this Act, shall immediately thereafter forward to him the statement required by this Act, to be made at the time of taking the sample or samples, and any person or persons violating the provisions of this section shall be punished by a fine of one hundred dollars; and any manufacturer, agent or representative who shall be convicted of making false and fraudulent representations as to the quality and constituent elements of any fertilizers by the printed analysis upon any such bag or package shall be fined one hundred ($100) dollars for the first offense, and two hundred ($200) dollars for every subsequent offense thereafter; and the report of the analysis of any such sample of fertilizer sent to the Agricultural College for examination under this Act shall be prima facie evidence as to the quality of the lot of fertilizer from which said sample was taken.

Sec. 7. And be it enacted, That the funds received by the Comptroller from the licenses issued under this Act shall be paid into the Treasury, and be set apart as a specific fund to pay the cost and expenses of conducting the analysis provided for in section five of this Act, and the Treasurer shall semi-annually pay over to the Maryland Agricultural College the money received from said licenses; provided, that the amount paid in any one year shall not be more than at the rate of fifteen dollars ($15) for each sample of fertilizer analyzed by the said College.

Sec. 8. And be it enacted, That any purchaser of fertilizer who shall be injured or defrauded by the contents of the bag, barrel or other packages, not conforming in quantity or quality to the marks, labels or statements on or accompanying the same, may recover from the seller or sellers thereof, in an action of debt, an amount equal to the purchase money of said fertilizer and the cost of suit; and in case the purchase is made of an agent of any person or persons residing out of the limits of the State of Maryland, or company or corporation whose principal place of business is out of the State, manufacturing, compounding, preparing and furnishing for sale any such commercial fertilizer, the purchaser thereof may, at his or her option, proceed by attachment, as now provided for by law in cases of non-resident and absconding debtors, against any property, rights or credit of any person, persons, company or corporation selling, manufacturing, preparing, compounding or furnishing said fertilizer when such property, rights or credits can be found within the limits of the State of Maryland.

Sec. 9. And be it enacted, That any manufacturer, dealer, agent or other person or persons who shall adulterate, add to or take anything from any fertilizer sold or offered for sale within this State, or who shall use the brand or trade-mark of any manufacturer or dealer other than his own, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof in any Court having jurisdiction, be punished by a fine not exceeding two hundred dollars ($200), and imprisonment in jail not exceeding six months, or by fine and imprisonment at the discretion of the Court before whom he shall be tried.

Sec. 10. And be it enacted, That this Act shall not effect parties importing, manufacturing or manipulating fertilizer for their own use, if not sold or disposed of; and it shall not apply to substances and materials sold in bulk to manufacturers or manipulators of fertilizer, and nothing in this Act shall prevent the buyer and seller from making contracts in reference to the price to be paid dependent upon the composition or quality of the fertilizer contracted for, but no arrangement or agreement, verbal or written, made by or between any seller and buyer of fertilizer in this State, for the purpose of exonerating the seller or manufacturer from liability for any violation of any of the provisions of this Act, shall exempt any person from such liability.

Sec. 11. And be it enacted, That it shall be the duty of all State's Attorneys to prosecute all persons accused of violating this Act, or any of the provisions of this Act, or of the Act to which this is a supplement.

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